

10521715, 7/18/06

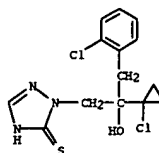
=> D IBIB ABS HITSTR TOT

10521715, 7/18/06

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:80425 CAPLUS  
DOCUMENT NUMBER: 140:146143  
TITLE: Preparation of crystal modification II of  
prothioconazole as microbicide  
INVENTOR(S): Seidel, Erik; Vermeer, Ronald; Hasenack, Karin;  
Olenik, Britta  
PATENT ASSIGNEE(S): Bayer Cropscience Ag, Germany  
SOURCE: PCT Int. Appl., 45 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004008860	A1	20040129	WO 2003-EP7473	20030710
W: AX, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG				
DE 10233171	A1	20040212	DE 2002-10233171	20020722
CA 2492973	AA	20040129	CA 2003-2492973	20030710
AU 2003246673	A1	20040209	AU 2003-246673	20030710
BR 2003012839	A	20050426	BR 2003-12839	20030710
EP 1524905	A1	20050427	EP 2003-764967	20030710
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1681390	A	20051012	CN 2003-822449	20030710
JP 2006502994	T2	20060126	JP 2004-522435	20030710
US 2006106080	A1	20060518	US 2005-521715	20051107
PRIORITY APPLN. INFO.: DE 2002-10233171 A 20020722 WO 2003-EP7473 W 20030710				
AB A thermodynamically stable crystal modification of 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione (I) is produced by treatment of the crystal modification I of I in the presence of water or $\geq 1$ aliphatic alc., dialkylketone, and/or carboxylic acid alkyl ester at a temperature between 0-90°. Crystal modification II (m.p. 938.3) is mixed with surfactants and fillers to obtain antimicrobial agents.				
IT 178928-70-6 RL: AGR (Agricultural use); PEP (Physical, engineering or chemical process); FRP (Properties); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses) (crystal modification II of prothioconazole and its preparation as microbicide)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-				

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

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10521715, 7/18/06

L4 ANSWER 1 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:656361 CAPLUS  
 TITLE: Synergistic fungicidal mixtures containing carbamate oxime ethers  
 INVENTOR(S): Gewehr, Markus; Stierl, Reinhard; Niedenbrueck, Matthias  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

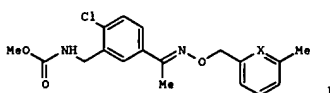
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006069716	A1	20060706	WO 2005-EP13816	20051221

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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004063382A 20041223

GI



AB Synergistic fungicidal mixts. contain carbamate oxime ethers I (X = N or CH) and at least one active substance selected from azoles, strobilurines, carboxylic acid amides, heterocyclic compds., carbamates, guanidine, antibiotics, nitrophenyl derivs., heterocyclol compds. containing sulfur, organometal compds., organophosphorus compds., organochlorine compds., inorg. active substances, cyflufenamid, cymoxanil, dimethirimol, ethirimol, furalaxyl, metrafenone and spiromoxamine.

IT INDEXING IN PROGRESS

IT 178928-70-6D, Prothioconazole, mixts. with carbamate oxime ethers

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

RN 178928-70-6 CAPLUS

CH 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:632743 CAPLUS  
 DOCUMENT NUMBER: 145:57501  
 TITLE: Rust control in legumes using oryzastrubin  
 INVENTOR(S): Speakman, John-Bryan; Stierl, Reinhard; Strathmann, Siegfried; Dombo, Peter; Niedenbrueck, Matthias; Haden, Egon; Voesta, Dirk; Groeger, Ulf  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 14 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006066810	A2	20060629	WO 2005-EP13552	20051216

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: DE 2004-102004062455A 20041220

AB The invention relates to a method for controlling rusting in leguminous plants by the application of oryzastrubin. The invention also relates to mixts. of oryzastrubin with a 2nd fungicide of the groups of azoles, acylalanines, amine derivs., anilinopyrimidines, dicarboximides, dithiocarbamates, heterocyclic compds., phenylpyrrols, cinnamic acid amides, and the like.

IT 891759-17-4

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

RN 891759-17-4 CAPLUS

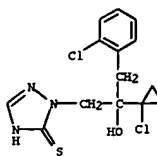
CH Benzeneacetamide,  $\alpha$ -(methoxyimino)-2-[(3E,5E,6E)-5-(methoxyimino)-4,6-dimethyl-2,8-dioxo-3,7-diazanona-3,6-dien-1-yl]-N-methyl-, (9E)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 248593-16-0  
 CMF C18 H25 N5 O5

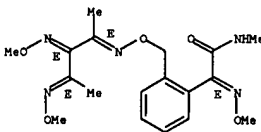
Double bond geometry as shown.

L4 ANSWER 1 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



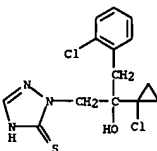
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

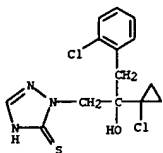
CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O 5



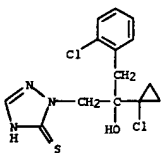
10521715, 7/18/06

L4 ANSWER 3 OF 101 CAPLUS COPYRIGHT 2006 ACS on STM  
 ACCESSION NUMBER: 2006:517334 CAPLUS  
 DOCUMENT NUMBER: 144:482753  
 TITLE: Wood preservative comprising colloidal silica or alumina  
 INVENTOR(S): Harmer, Mark A.; Qiu, Weiming; Xue, Zhixiong  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 5 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

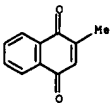
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006115506	A1	20060601	US 2004-162	20041130
PRIORITY APPLN. INFO.: US 2004-162 20041130				
AB The wood preservative is a dispersion of colloidal silica or colloidal alumina particles in a solvent containing a fungicide and, optionally, an insecticide.				
IT 178928-70-6, Prothioconazole				
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
(wood preservative comprising colloidal silica or alumina and)				
RW 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				



L4 ANSWER 4 OF 101 CAPLUS COPYRIGHT 2006 ACS on STM (Continued)  
 (2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



CH 2  
 CRN 58-27-5  
 CMF C11 H8 O2



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 101 CAPLUS COPYRIGHT 2006 ACS on STM  
 ACCESSION NUMBER: 2006:513957 CAPLUS  
 DOCUMENT NUMBER: 144:482751  
 TITLE: Synergistic fungicidal menadione compositions  
 INVENTOR(S): Koehle, Harald; Stierl, Reinhard; Gold, Randall Evan; Goerth, Felix Christian; Speakman, John-Bryan; Dombo, Peter; Semar, Martin; Strobel, Dieter; Niedenbrueck, Matthias; Bestman, Hans  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 43 pp.  
 CODEN: PIXXDZ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

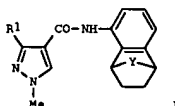
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006056434	A1	20060601	WO 2005-EP12562	20051124
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, HL, HR, NE, SN, TD, TG, BW, GM, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: DE 2004-102004057279A 20041126  
 AB Synergistic fungicidal compns. comprise menadione and at least one agent selected from: (A) azoles, such as cyproconazole, difenoconazole, epoxiconazole, fluquinconazole, flusilazole, hexaconazole, imazalil, metconazole, myclobutanil, penconazole, prochloraz, prothioconazole, tebuconazole, triadimefon, triadimenol, triflumizole; (B) strobilurines, such as azoxystrobin, dimoxystrobin, fluoxastrobin, kresoxim-Me, metominostrobin, orysastrobin, picoxystrobin, pyraclostrobin, or trifloxystrobin; (C) acylalanines, such as benalaxyl, metalaxyl, mefenoxam, ofurace, oxadixyl; (D) amine derivs., such as spiromamine; (E) anilinoimidazoles, such as pyrimethanil, mepanipyrim, or cyprodinil; (F) dicarboximides, such as iprodion, procymidol, vinclozolin; (G) cinnamides and analogs, such as dimethomorph, flumetover, or flumorph; (H) dithiocarbamates, such as ferbam, nabam, maneb, metam, metiram, propineb, polycarbamate, thiram, ziram, zineb; (I) heterocyclic compds., such as benomyl, boscalid, carbendazim, dichloran, fenoxadone, fenamidone, picobenzamide, proquinazid, quinoxifen, thiophanate-Me, triforine, 5-chloro-7-(4-methyl-piperidine-1-yl)-6-(2,4,6-trifluoro-phenyl)-[1,2,4]triazolo[1,5-a]pyrimidin, 3-(3-bromo-6-fluoro-2-methyl-indol-1-sulfonyl)-[1,2,4]triazol-1-sulfonic acid di-Me amide, or thiophene derivs.  
 IT 887499-41-4  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 RW 887499-41-4 CAPLUS  
 CN 1,4-Naphthalenedione, 2-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-

L4 ANSWER 5 OF 101 CAPLUS COPYRIGHT 2006 ACS on STM  
 ACCESSION NUMBER: 2006:513598 CAPLUS  
 DOCUMENT NUMBER: 144:364543  
 TITLE: Synergistic fungicidal compositions comprising pyrazole derivatives  
 INVENTOR(S): Walter, Harald; Corsi, Camilla; Ehrenfreund, Josef; Lamberth, Clemens; Tobler, Hans  
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.  
 SOURCE: PCT Int. Appl., 142 pp.  
 CODEN: PIXXDZ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006037632	A1	20060413	WO 2005-EP10755	20051006
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, HL, HR, NE, SN, TD, TG, BW, GM, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: GB 2004-22401 A 20041008  
 OTHER SOURCE(S): MARPAT 144:364543  
 GI

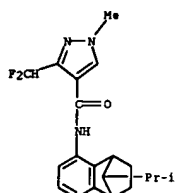


AB Synergistic fungicidal compns. comprise a pyrazole derivative I (R1 = difluoromethyl or trifluoromethyl; Y = CHR2 or C:CH2; R2 = H or alkyl) or a I tautomer and component any of a very large number of known fungicides and insecticides.  
 IT 882164-64-9  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 RW 882164-64-9 CAPLUS  
 CN 1H-Pyrazole-4-carboxamide, 3-(difluoromethyl)-1-methyl-N-[1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonsphthalen-5-yl]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

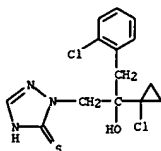
10521715, 7/18/06

L4 ANSWER 5 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 1  
CRN 881685-58-1  
CMF C20 H23 F2 N3 O



CH 2  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:342374 CAPLUS  
DOCUMENT NUMBER: 144:356460  
TITLE: Activity enhancement of fungicides by herbicide safeners  
INVENTOR(S): Fischer, Reiner; Dahmen, Peter; Wachendorff-Neumann, Ulrike  
PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
SOURCE: Ger. Offen., 70 pp.  
CODEN: GWXKEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004049041	A1	20060413	DE 2004-102004049041	20041008
WO 2006040016	A1	20060420	WO 2005-EP10522	20050929
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

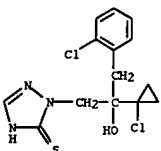
PRIORITY APPLN. INFO.: DE 2004-102004049041A 20041008  
AB Softeners for herbicides are suitable for increasing the effectiveness of fungicides. Thus, a mixture of mesenpyr and trioxystrobin showed high effectiveness against Erysiphe on wheat.

IT 882042-06-0  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(activity enhancement of fungicides by herbicide safeners)

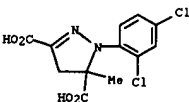
RN 882042-06-0 CAPLUS  
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S

L4 ANSWER 6 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
CRN 135591-00-3  
CMF C12 H10 C12 N2 O4



L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:273896 CAPLUS  
DOCUMENT NUMBER: 144:306857  
TITLE: Synergistic fungicidal compositions comprising spiroxamine, an azole and a carboxamide derivative  
INVENTOR(S): Dahmen, Peter; Wachendorff-Neumann, Ulrike; Dunkel, Ralf  
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
SOURCE: Ger. Offen., 29 pp.  
CODEN: GWXKEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004045242	A1	20060323	DE 2004-102004045242	20040917
WO 2006032356	A1	20060330	WO 2005-EP9503	20050903
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				

PRIORITY APPLN. INFO.: MARPAT 144:306857 DE 2004-102004045242A 20040917

OTHER SOURCE(S):  
AB Synergistic fungicidal compns. comprise spiroxamine, a known azole fungicide, such as prothioconazole, and a known carboxamide derivative fungicide.

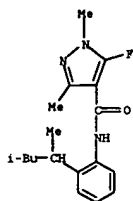
IT 879882-82-3 879882-88-9 879882-93-6  
879882-98-1  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicide composition)

RN 879882-82-3 CAPLUS  
CN 1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1  
CRN 494793-67-8  
CMF C18 H24 F N3 O

10521715, 7/18/06

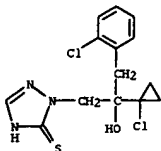
L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CM 2

CRN 178928-70-6

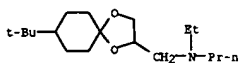
CMF C14 H15 C12 N3 O S



CM 3

CRN 118134-30-8

CMF C18 H35 N O2



RN 879882-88-9 CAPLUS

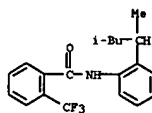
CN Benzamide, N-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 1

CRN 640290-16-0

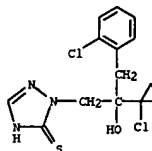
CMF C20 H22 F3 N O



CM 2

CRN 178928-70-6

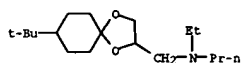
CMF C14 H15 C12 N3 O S



CM 3

CRN 118134-30-8

CMF C18 H35 N O2



RN 879882-93-6 CAPLUS

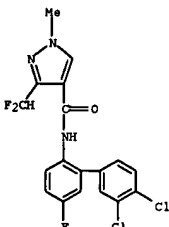
CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-

L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CM 1

CRN 581809-46-3

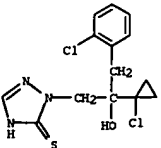
CMF C18 H12 C12 F3 N3 O



CM 2

CRN 178928-70-6

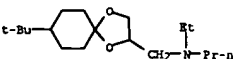
CMF C14 H15 C12 N3 O S



CM 3

CRN 118134-30-8

CMF C18 H35 N O2



L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

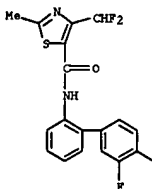
RN 879882-98-1 CAPLUS

CN 5-Thiazolecarboxamide, N-(4'-chloro-3'-fluoro[1,1'-biphenyl]-2-yl)-4-(difluoromethyl)-2-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CM 1

CRN 577954-96-2

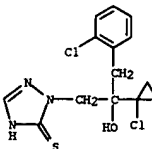
CMF C18 H12 C1 F3 N2 O S



CM 2

CRN 178928-70-6

CMF C14 H15 C12 N3 O S



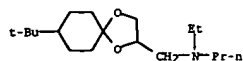
CM 3

CRN 118134-30-8

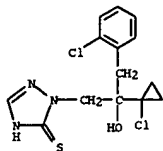
CMF C18 H35 N O2

10521715, 7/18/06

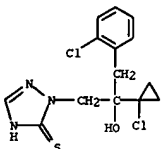
L4 ANSWER 7 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 178928-70-6D, Prothioconazole, mixts. with spiroxamine and carboxamide derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicide compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



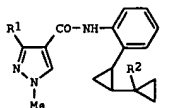
L4 ANSWER 8 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:151202 CAPLUS  
 DOCUMENT NUMBER: 144:207363  
 TITLE: Synergistic fungicidal compositions comprising pyrazole derivatives  
 INVENTOR(S): Walter, Harald; Neuenschwander, Urs; Zeun, Ronald; Ehrenfreund, Josef; Tobler, Hans; Corsi, Camilla; Lamberth, Clemens  
 PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.  
 SOURCE: PCT Int. Appl., 104 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

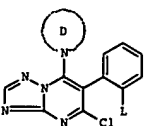
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006015865	A1	20060216	WO 2005-EP8748	20050811
W:	AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, HE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			GB 2004-18047	A 20040812
OTHER SOURCE(S):	MARPAT 144:207363			
GI				



AB Synergistic fungicidal compns. comprise the pyrazole derivs. I (R1 = CF3 or CHF2; H or Me) or I tautomers and one of a very large number of known fungicides.  
 IT 178928-70-6D, Prothioconazole, mixts. with pyrazole derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicide compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 9 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:147748 CAPLUS  
 DOCUMENT NUMBER: 144:207360  
 TITLE: Synergistic fungicide mixtures comprising triazolopyrimidine derivatives  
 INVENTOR(S): Blettner, Carsten; Dietz, Jochen; Grammenos, Vassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwoegler, Anja; Nave, Barbara; Scherer, Maria; Strathmann, Siegfried; Schoeffl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 73 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

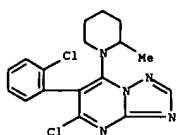
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006015728	A1	20060216	WO 2005-EP8192	20050728
W:	AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, HE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRIORITY APPLN. INFO.:			DE 2004-10204037784A	20040803
OTHER SOURCE(S):	MARPAT 144:207360			
GI				



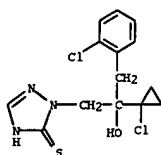
AB Synergistic fungicidal mixts. comprise: (1) a 5-chloro-6-phenyl-7-heterocyclylamino-1,2,4-triazolopyrimidine derivative I, wherein D forms a pyrrolidine, piperidine or azepine ring together with the nitrogen atom, the rings being substituted or not substituted by one or two Me groups or by an Et, Pr or Bu group; and L represents Me, fluorine or chlorine; and (2) at least one active ingredient selected from: (A) azoles; (B) strobilurines; (C) acylalanines; (D) amine derivs.; (E)

10521715, 7/18/06

L4 ANSWER 9 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 anilinoimidazoles; (F) dicarboximides; (G) cinnamic acid amides and  
 analogues; (H) antibiotics; (K) dithiocarbamates; (L) heterocyclic compds.;  
 (M) sulfur and copper fungicides; (N) nitrophenyl derivs.; (O)  
 phenylpyrroles; (P) sulfenic acid derivs.; (Q) other fungicides; or (R)  
 growth retardants.  
 IT 875294-88-5  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)  
 RN 875294-88-5 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
 2-hydroxypropyl]-1,2-dihydro-, mixt. with 5-chloro-6-(2-chlorophenyl)-7-(2-  
 methyl-1-piperidinyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX  
 NAME)  
 CH 1  
 CRN 187233-46-1  
 CMF C17 H17 C12 N5



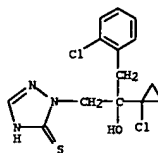
CH 2  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S



IT 178928-70-6D, Prothioconazole, mixts. with triazolopyrimidine  
 derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)

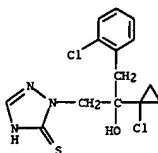
L4 ANSWER 10 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2006:39193 CAPLUS  
 DOCUMENT NUMBER: 144:306782  
 TITLE: Fungicide targeting on ripening ears for improved  
 control of Fusarium ear blight and the mycotoxins  
 deoxynivalenol and nivalenol  
 AUTHOR(S): Aldred, D.; Magan, N.; Parkin, C. S.; Millar, P. C.  
 H.; Gill, J.; Orson, J. G.  
 CORPORATE SOURCE: Applied Mycology Group, Institute of BioScience and  
 Technology, Cranfield University, Silsoe, Bedford,  
 MK45 4DT, UK  
 SOURCE: Congress Proceedings - BCPC International Congress:  
 Crop Science & Technology, Glasgow, United Kingdom,  
 Oct. 31-Nov. 2, 2005 (2005), Volume 1, 417-422.  
 British Crop Protection Council: Alton, UK.  
 CODEN: 69HSFT; ISBN: 1-901396-65-7  
 DOCUMENT TYPE: Conference  
 LANGUAGE: English  
 AB Studies were carried out to compare different spray systems for improved  
 targeting of fungicides on the ears of ripening wheat during anthesis.  
 Wind tunnel expts. identified a range of possible nozzle types which could  
 be applied in the field. In 2 contrasting seasons (wet and dry) the  
 efficacy of the best spray treatments were compared in field expts. where  
 wheat was inoculated with *F. culmorum* prior to fungicide applications with  
 amistar + foliar or prostaro. These showed that in a wet year (2003)  
 targeting improved control of ear blight by the fungicides. Generally  
 there was higher contamination with nivalenol (NIV) than with  
 deoxynivalenol (DON). In the dry year there was some correlation between  
 Fusarium contaminated grain and spray nozzle treatments. Generally, the  
 pre-orifice flat fan nozzle and the conventional flat fan nozzle at  
 45° angled backwards were the best treatments. Ear blight and  
 trichothecene contamination were less in 2004 when the environmental  
 conditions during the critical anthesis period was very dry. Taqman PCR and  
 full trichothecene analyses confirmed the presence of *F. culmorum*, with  
 contributions from other species such as *F. avenaceum* and *F. graminearum*  
 and the absence of other trichothecenes.  
 IT 215245-59-3, Prostaro  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL  
 (Biological study); USES (Uses)  
 (Prothioconazole-tebuconazole mixture; fungicide targeting on ripening  
 ears for improved control of Fusarium ear blight and mycotoxins)  
 RN 215245-59-3 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
 2-hydroxypropyl]-1,2-dihydro-, mixt. with α-[2-(4-  
 chlorophenyl)ethyl]-ω-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-  
 ethanol (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S

L4 ANSWER 9 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
 2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

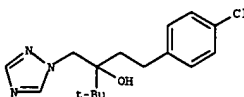


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



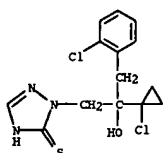
CH 2  
 CRN 107534-96-3  
 CMF C16 H22 C1 N3 O



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 11 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:1352853 CAPLUS  
 DOCUMENT NUMBER: 144:36482  
 TITLE: Evaluation of strobilurins, acibenzolar and other chemicals, alone and in spray programs for the control of yellow Sigatoka leaf spot (*Mycosphaerella musicola*) of bananas in far northern Queensland, Australia  
 AUTHOR(S): Vawdrey, L. L.; Peterson, R. A.; Grice, K. R. E.  
 CORPORATE SOURCE: Horticulture and Forestry Sciences, Department of Primary Industries and Fisheries, Centre for Wet Tropics Agriculture, South Johnstone, QLD, Australia  
 SOURCE: International Journal of Pest Management (2005), 51(4), 245-251  
 CODEN: IPMEHJ ISSN: 0967-0874  
 PUBLISHER: Taylor & Francis Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Several chems. including the strobilurins (trifloxystrobin, azoxystrobin, pyraclostrobin and DFX KZ 165), a plant activator (acibenzolar), the triazoles (propiconazole, tebuconazole, epoxiconazole, fenbuconazole and JAU 6475) and tridemorph, spiromamine, pyrimethanil, fenarimol and various formulations of mancozeb were evaluated in three field expts. in northern Queensland, Australia for control of yellow Sigatoka of banana (caused by *Mycosphaerella musicola*). In all expts., the strobilurins used alone or in spray programs with mancozeb and acibenzolar were as effective or better than the industry stds. mancozeb and propiconazole. Acibenzolar used in spray programs with mancozeb significantly improved the control of Sigatoka compared to mancozeb alone. The triazoles, epoxiconazole, fenbuconazole and JAU 6475 used alone and tebuconazole in a spray program with mancozeb were as effective as the industry standard propiconazole. Tridemorph, pyrimethanil and spiromamine were as effective as the industry standard mancozeb, and fenarimol failed to effectively control the disease. In 2004, trifloxystrobin, pyraclostrobin and epoxiconazole were registered for control of yellow Sigatoka of banana.  
 IT 178928-70-6, JAU 6476  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (evaluation of strobilurins, acibenzolar and other chems., alone and in spray programs for the control of yellow Sigatoka leaf spot of bananas)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



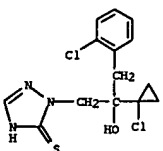
L4 ANSWER 12 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:1350290 CAPLUS  
 DOCUMENT NUMBER: 144:46623  
 TITLE: Control of soybean rust with triticonazole  
 INVENTOR(S): Lopez Casanelli, Juan Diego; Speakman, John-Bryan  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 22 pp.  
 CODEN: PIXKX2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005122771	A1	20051229	WO 2005-EP6499	20050616
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KH, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AN, AZ, BY, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: DE 2004-102004029338A 20040617

AB Soybean rust, caused by *Phakopsora pachyrhizi* is controlled using triticonazole, optionally mixed with other fungicides.  
 IT 871240-45-8  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (control of soybean rust with)  
 RN 871240-45-8 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (5E)-5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

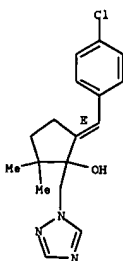
CH 1  
 CRN 178928-70-6  
 CMP C14 H15 C12 N3 O S



L4 ANSWER 11 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 CH 2  
 CRN 138182-18-0  
 CMP C17 H20 Cl N3 O

Double bond geometry as shown.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

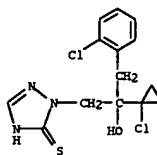
10521715, 7/18/06

L4 ANSWER 13 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1327898 CAPLUS  
 DOCUMENT NUMBER: 144433116  
 TITLE: Fungicidal seed treatment agents for Phakopsora pachyrhizi control on soybean  
 INVENTOR(S): Kemper, Konrad; Haeuser-Hahn, Isolde; Reinecke, Paul  
 PATENT ASSIGNEE(S): Bayer Cropscience AG, Germany  
 SOURCE: Eur. Pat. Appl., 21 pp.  
 CODEN: EPXKDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1606999	A1	20051221	EP 2004-14307	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
WO 2005122772	A2	20051229	WO 2005-EP6085	20050607
WO 2005122772	A3	20060413		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPL. INFO.: EP 2004-14307 A 20040618  
 AB Fungicidal seed treatment agents for Phakopsora pachyrhizi control on soybean comprise known triazole, pyrimidine pyridine, piperazine and imidazole ergosterol-biosynthesis-blocking fungicides.  
 IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (Fungicidal seed treatment agent for Phakopsora pachyrhizi control on soybean)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 13 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



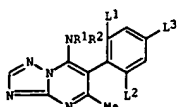
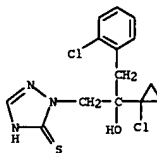
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1242496 CAPLUS  
 DOCUMENT NUMBER: 143473906  
 TITLE: Synergistic fungicidal mixtures comprising triazolopyrimidines  
 INVENTOR(S): Blettner, Carsten; Gewehr, Markus; Grammenos, Wassilios; Grote, Thomas; Huenger, Udo; Mueller, Bernd; Niedenbrueck, Matthias; Rheinheimer, Joachim; Schaefer, Peter; Schieweck, Frank; Schwogler, Anja; Wagner, Oliver; Nave, Barbara; Scherer, Maria; Strethmann, Siegfried; Schoefl, Ulrich; Stierl, Reinhard  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 68 pp.  
 CODEN: PIXKD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005110080	A2	20051124	WO 2005-EP5070	20050511
WO 2005110080	A3	20060209		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPL. INFO.: DE 2004-102004024193A 20040513  
 DE 2004-102004024797A 20040517  
 OTHER SOURCE(S): MARPAT 143:473906  
 GI

L4 ANSWER 14 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 L2, L3 are independently from each other hydrogen, fluorine or chlorine, and at least one active substance selected from azoles, strobilurins, acylalanines, amine derivs., anilinothiazopyrimidines, dicarboximides, cinnamic acid amides and analogs thereof, antibiotics, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., other fungicides and growth retardants.  
 IT 178928-70-6D, Prothioconazole, mixts. with 5-methyl-7-aminotriazolopyrimidine derivative  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

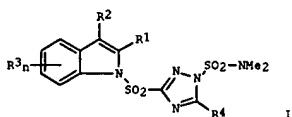


AB The invention relates to synergistic fungicidal mixts. containing a 5-methyl-7-aminotriazolopyrimidine derivative 1, wherein R1 is alkyl, halogenalkyl, alkenyl or cyclopentyl, R2 is hydrogen or alkyl, R1 and R2 together with the nitrogen atom to which they are bound may form a piperidinyl cycle substitutable by a Me group, L1 is fluorine or chlorine,

10521715, 7/18/06

L4 ANSWER 15 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1196027 CAPLUS  
 DOCUMENT NUMBER: 143:434112  
 TITLE: Synergistic fungicidal mixtures containing sulfamoyl compounds  
 INVENTOR(S): Torno i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich; Gevehr, Markus; Mueller, Bernd; Suarez-Cervieri, Miguel Octavio; Niedenbrueck, Matthias  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005104847	A1	20051110	WO 2005-EP4387	20050423
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:		DE 2004-102004021766A 20040430 DE 2004-102004025032A 20040518		
OTHER SOURCE(S):		MARPAT 143:434112		
GI				

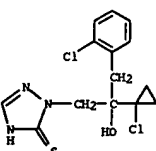


AB Synergistic fungicidal mixts. contain sulfamoyl compds. I (R1 = H, halo, cyano, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, Ph, benzyl, formyl, or CH2NOA; R2 = H, halo, cyano, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, Ph, benzyl, formyl, or CH2NOA; R3 = halo, cyano, nitro, alkyl, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, Ph, benzyl, formyl, or CH2NOA; R4 = H, halo, cyano, alkyl, haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, Ph, benzyl, formyl, or CH2NOA)

L4 ANSWER 16 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1195702 CAPLUS  
 DOCUMENT NUMBER: 143:434156  
 TITLE: Use of alkylcarboxylic acid amides as penetration promoters of pesticides into plants  
 INVENTOR(S): Roessling, Andreas; Reizlein, Karl; Baur, Peter  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

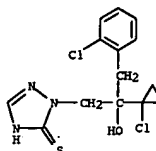
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005104844	A1	20051110	WO 2005-EP4342	20050422
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZH, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 102004020840		A1	20051124	DE 2004-102004020840 20040427
PRIORITY APPLN. INFO.:		DE 2004-102004020840A 20040427		
OTHER SOURCE(S):		MARPAT 143:434156		

AB The alkyl carboxylic acid amides R1CONR2R3 (R1 = C3-19 alkyl; R2 = C1-6 alkyl; R3 = H or R2) promote the penetration of pesticides into plants. Decanoic acid dimethylamide is an example.  
 IT 178928-70-6, Prothioconazole 215245-59-3, Prothioconazole-tebuconazole mixture 215245-74-2, Prothioconazole-spiroamine mixture  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (alkylcarboxylic acid amide penetration promoters for pesticides into plants)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 215245-59-3 CAPLUS

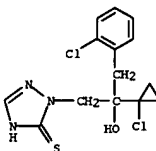
L4 ANSWER 15 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 haloalkyl, alkoxy, alkylthio, alkoxycarbonyl, formyl, or CH2NOA; n = 0, 1, 2, 3, or 4; R4 = H, halo, cyano, alkyl, or haloalkyl) and at least one active substance selected among azoles, strobilurins, acylalanines, amine derivs., anilinoimidazoles, dicarboximides, cinnamides and analogs, dithiocarbamates, heterocyclic compds., sulfur and copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., or other fungicides.  
 IT 178928-70-6D, Prothioconazole, mixts. with sulfamoyl compds.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal compds.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



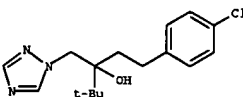
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with α-(2-(4-chlorophenyl)ethyl)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S



CH 2  
 CRN 107534-96-3  
 CMF C16 H22 C1 N3 O

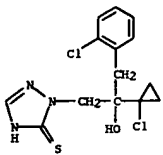


RN 215245-74-2 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

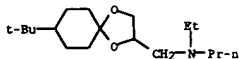
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 CMF C14 H15 C12 N3 O S

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L4 ANSWER 16 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

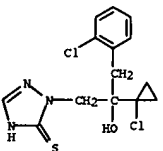


CM 2

CRN 118134-30-8  
CMP C18 H35 N 02

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1154467 CAPLUS  
 DOCUMENT NUMBER: 143:423752  
 TITLE: Wood preservatives and methods of wood preservation  
 INVENTOR(S): Xue, Zhixiong  
 PATENT ASSIGNEE(S): E. I. Du Pont De Nemours and Company, USA  
 SOURCE: PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005099982	A1	20051027	WO 2005-US11402	20050406
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2006029743	A1	20060209	US 2005-100295	20050406
PRIORITY APPLN. INFO.:			US 2004-560533P	P 20040408
OTHER SOURCE(S):	MARPAT 143:423752			

AB The method uses a substantially metal-free wood preservative comprising a sodium-channel blocking insecticide and at least one fungicide selected from the group consisting of conazoles and ergosterol biosynthesis inhibitors. This invention also relates to such wood preservative formulations.

IT 178928-70-6, Prothioconazole  
 RL: EUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(metal-free preservatives containing fungicides and insecticides for wood preservation)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (SCI) (CA INDEX NAME)

L4 ANSWER 18 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:1106849 CAPLUS  
 DOCUMENT NUMBER: 143:361642  
 TITLE: Synergistic ternary fungicidal mixtures  
 INVENTOR(S): Tormo i Blasco, Jordi; Grote, Thomas; Scherer, Maria; Stierl, Reinhard; Strathmann, Siegfried; Schoeffl, Ulrich  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 6  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005094583	A1	20051013	WO 2005-EP3213	20050326
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.:

AB Synergistic ternary fungicidal mixts. comprise 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-(1,2,4)triazolo(1,5-a)pyrimidine, a strobilurin derivative (pyraclostrobin or orysastrobin) and

a fungicide selected from acylalanines, amine derivs., anilinopyrimidines, antibiotics, azoles, dicarboximides, dithiocarbamates, copper fungicides, nitrophenyl derivs., phenylpyrroles, sulfenic acid derivs., cinnamic acid derivs. and their analogs and anilazine, benomyl, boscalid, carbendazim, carboxin, oxycarboxin, cyazofamid, dazomet, dithianon, famoxadone, fenamidone, fenarimol, fuberidazole, flutolanil, furametpyr, isoprothiolane, mepronil, nuarimol, picobenzamide, probenazole, proquinazid, pyrifenoxy, pyroquinol, quinomyfen, silthiofame, thiabendazole, thifluzamide, thiophanate-Me, tiadinil, tricyclazole, triforine, sulfur, acibenzolar-S-Me, benthiavalicarb, carpropamid, chlorothalonil, cyflufenamid, cymoxanil, dazomet, diclomazine, diclomymet, diethofencarb, edifenphos, etheboxam, fenhexamid, fentin acetate, fenoxanil, ferimzone, fluzianam, phosphorous acid, fosetyl, fosetyl-aluminum, iprodione, hexachlorobenzene, metrafenone, pencycurox, propanocarb, phthalide, tolclofos-Me, quintozene and zoxamideam.

IT 178928-70-6D, Prothioconazole, mixts. with triazolopyrimidine and strobilurin derivs.

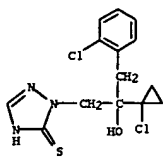
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic ternary fungicidal mixts.)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (SCI) (CA INDEX NAME)

10521715, 7/18/06

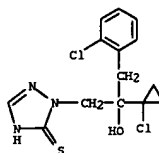
L4 ANSWER 18 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

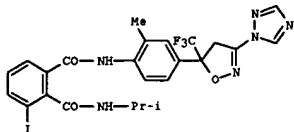
ACCESSION NUMBER: 2005:1104523 CAPLUS  
DOCUMENT NUMBER: 143:385609  
TITLE: Content of Fusarium toxin in wheat - valuation of varieties and cultivation methods  
AUTHOR(S): Obenauf, Ulfried; Gleser, Hans-Joachim  
CORPORATE SOURCE: Landwirtschaftskammer Schleswig-Holstein, Abt. Pflanzenbau/Ref. Getreide und Amt fuer laendliche Raume Kiel, Abt. Pflanzenschutz, Kiel, D-24783, Germany  
SOURCE: Getreidetechnologie (2005), 59(3), 133-138  
CODEN: GETR55  
PUBLISHER: BackMedia Verlagsgesellschaft mbH  
DOCUMENT TYPE: Journal  
LANGUAGE: German  
AB The effect of variety and cultivation methods on Fusarium toxin contents in wheat was evaluated. The risk factors soil cultivation, previous crop, cultivar, and Fusarium control were assessed based on a monitoring for several years in Schleswig-Holstein, Germany. Mulch sowing after wheat as previous crop was successful. Rape as a previous crop demanded soil cultivation by plow. The contents of the toxins deoxynivalenol and zearalenone were decreased by 50% using azole fungicides at flowering time. Legal limit values were discussed.  
IT 178928-70-6, Prothioconazole  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(variety and cultivation methods effect on Fusarium toxins in wheat)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



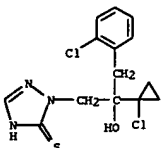
L4 ANSWER 20 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1073977 CAPLUS  
DOCUMENT NUMBER: 143:361659  
TITLE: Compositions containing benzanilides and their application as pesticides  
INVENTOR(S): Takii, Shinji  
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 190 pp.  
CODEN: JNOKAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005272443	A2	20051006	JP 2005-38603	20050216
PRIORITY APPL. INFO.:			JP 2004-46912	A 20040223
OTHER SOURCE(S):				
GI				



AB New insecticidal, acaricidal, nematocidal, fungicidal, or antibacterial compns. contain ≥1 benzanilide, or salt thereof, and ≥1 other component such as aldimorph or diflubenzuron. Thus, 1 + fenpropathrin synergistically controlled Carposina niponensis on apple.  
IT 178928-70-6D, Prothioconazole, mixts. with benzanilides  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(synergistic insecticides, acaricides, nematocides, fungicides, and antibacterial agents containing benzanilide derivs.)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



10521715, 7/18/06

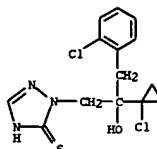
L4 ANSWER 21 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:975584 CAPLUS  
 DOCUMENT NUMBER: 143:261853  
 TITLE: Fungicidal compositions comprising an arylamidine derivative and another fungicide  
 INVENTOR(S): Labourdette, Gilbert  
 PATENT ASSIGNEE(S): Bayer Cropscience S.A., Fr.  
 SOURCE: Eur. Pat. Appl., 16 pp.  
 CODEN: EPXKDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1570736	A1	20050907	EP 2004-356031	20040305
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
WO 2005089547	A1	20050929	WO 2005-EP3284	20050303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

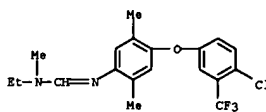
PRIORITY APPLN. INFO.: EP 2004-356031 A 20040305  
 OTHER SOURCE(S): MARPAT 143:261853  
 AB A fungicidal composition for protecting plants against fungal diseases is based on N2-phenylamidine derivs. (preferably N-ethyl-N-methyl-N-[4-(chloro-3-trifluoromethylphenoxy)-2,5-xylyl]formamidine (I) or the 4-fluoro analog) and another fungicide, preferably fluoastrobilin or prothioconazole; the active compds. may be mixed beforehand or apply simultaneously, successively, or sep. Thus, a mixture of I 150 + prothioconazole 150 g/ha synergistically controlled wheat powdery mildew (Erysiphe graminis or Blumeria graminis) and wheat leaf spot (Septoria tritici or Mycosphaerella graminicola).  
 IT 178928-70-6, Prothioconazole 863656-39-7  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (fungicidal compns. comprising arylamidine derivative and another fungicide for protecting plants)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 21 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

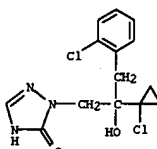
L4 ANSWER 21 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



RN 863656-39-7 CAPLUS  
 CN Methanimidamide, N'-[4-[4-chloro-3-(trifluoromethyl)phenoxy]-2,5-dimethylphenyl]-N-ethyl-N-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 287941-52-0  
 CMF C19 H20 Cl F3 N2 O



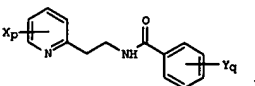
CH 2  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



L4 ANSWER 22 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:902854 CAPLUS  
 DOCUMENT NUMBER: 143:207622  
 TITLE: Synergistic fungicidal composition comprising a pyridylethylbenzamide derivative and a compound capable of inhibiting the transport of electrons of the respiratory chain in phytopathogenic fungal organisms  
 INVENTOR(S): Gouot, Jean-Marie; Grosjean-Cournoyer, Marie-Claire  
 PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.  
 SOURCE: PCT Int. Appl., 37 pp.  
 CODEN: PIXKDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077901	A1	20050825	WO 2005-EP2563	20050210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1571143	A1	20050907	EP 2004-356019	20040212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.: EP 2004-356019 A 20040212 EP 2004-356096 A 20040611 US 2004-637120P F 20041217				

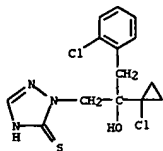
OTHER SOURCE(S): MARPAT 143:207622  
 GI



AB As synergistic fungicidal composition comprises a pyridylethylbenzamide derivative  
 I (X = halo, alkyl or haloalkyl; Y = X, alkenyl, alkynyl, alkoxy, amino, phenoxy, etc.; p = 1-4; q = 1-5) and a compound capable of inhibiting the transport of electrons of the respiratory chain in phytopathogenic fungi. Optionally, the composition further comprises an addl. fungicide.  
 IT 178928-70-6D, Prothioconazole, mixts. with pyridylethylbenzamide derivs. and respiratory electron transport inhibitors  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)

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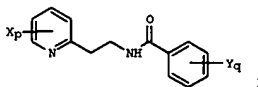
L4 ANSWER 22 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

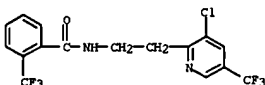
L4 ANSWER 23 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:891136 CAPLUS  
 DOCUMENT NUMBER: 143:224124  
 TITLE: Synergistic fungicidal composition comprising a pyridylethylbenzamide derivative and an ergosterol biosynthesis inhibitor  
 INVENTOR(S): Grosjean-Cournoyer, Marie-Claire; Gouet, Jean-Marie  
 PATENT ASSIGNEE(S): Bayer Cropscience SA, Fr.  
 SOURCE: PCT Int. Appl., 36 pp.  
 CODEN: PIXXKD  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077183	A1	20050825	WO 2005-EP2568	20050210
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1563731	A1	20050817	EP 2004-356014	20040212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK PRIORITY APPLN. INFO.: EP 2004-356014 A 20040212 US 2004-636956P P 20041217				
OTHER SOURCE(S): MARPAT 143:224124				
GI				

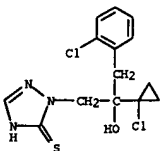


AB A composition comprising a pyridylethylbenzamide derivative I (X = halo, alkyl or haloalkyl; Y = X, alkenyl, alkynyl, amino, phenoxy, etc.; p = 1-4; q = 1-5) and an ergosterol biosynthesis inhibitor are synergistic fungicides. The composition further comprises addnl. fungicide.  
 IT 862470-31-3 862470-46-0  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

L4 ANSWER 23 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RN 862470-31-3 CAPLUS  
 CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)



CH 1  
 CRN 658066-35-4  
 CMF C16 H11 Cl F6 N2 O

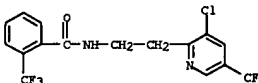


CH 2  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S

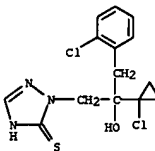
RN 862470-46-0 CAPLUS  
 CN Benzamide, N-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1  
 CRN 658066-35-4  
 CMF C16 H11 Cl F6 N2 O

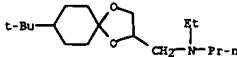
L4 ANSWER 23 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



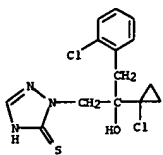
CH 3  
 CRN 118134-30-8  
 CMF C18 H35 N O2



IT 178928-70-6D, Prothioconazole, mixts. with pyridylethylbenzamide derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

10521715, 7/18/06

L4 ANSWER 23 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



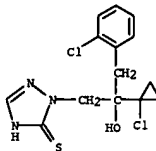
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 24 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:811643 CAPLUS  
 DOCUMENT NUMBER: 143:18826  
 TITLE: Pesticidal composition for rice comprising 2-ethylhexyl lactate  
 INVENTOR(S): Taranta, Claude; Buckespach, Rainer  
 PATENT ASSIGNEE(S): Bayer Cropscience G.m.b.H., Germany  
 SOURCE: PCT Int. Appl., 51 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005074685	A1	20050818	WO 2005-EP959	20050201
WO 2005074685	C1	20051027		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2004-102004006107A 20040206  
 AB Disclosed is the use of a pesticidal plant protection composition, comprising:  
 (a) 2-ethylhexyl lactate, (b) one or more pesticides dissolved therein; and (c) optionally, one or more formulation aids. The composition controls harmful organisms in paddy.  
 IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (pesticidal composition for rice comprising 2-ethylhexyl lactate solvent and)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 24 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

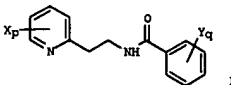
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 25 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:810701 CAPLUS  
 DOCUMENT NUMBER: 143:188296  
 TITLE: Synergistic fungicidal composition comprising a pyridylethylbenzamide derivative and an ergosterol biosynthesis inhibitor  
 INVENTOR(S): Guot, Jean-Marie; Grosjean-Cournoyer, Marie-Claire  
 PATENT ASSIGNEE(S): Bayer Cropscience S. A., Fr.  
 SOURCE: Eur. Pat. Appl., 11 pp.  
 CODEN: EPXKDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1563731	A1	20050817	EP 2004-356014	20040212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
WO 2005077183	A1	20050825	WO 2005-EP2568	20050210

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

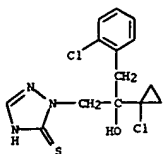
PRIORITY APPLN. INFO.: EP 2004-356014 A 20040212  
 US 2004-636956P P 20041217  
 OTHER SOURCE(S): MARPAT 143:188296  
 GI



AB Synergistic fungicidal compns. comprise a pyridylethylbenzamide derivative I (X = halo, alkyl or haloalkyl; Y = X, alkenyl, alkynyl, alkoxy, amino, phenoxy, etc.; p = 1-4; q = 1-5) and an ergosterol biosynthesis inhibitor.  
 IT 178928-70-6D, Prothioconazole, mists. with pyridylethylbenzamide deriva.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

10521715, 7/18/06

L4 ANSWER 25 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

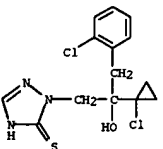


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

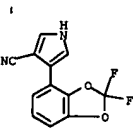
L4 ANSWER 26 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:490250 CAPLUS  
 DOCUMENT NUMBER: 143:2618  
 TITLE: Fludioxonil and mixtures containing fludioxonil as industrial microbicides  
 INVENTOR(S): Steiner, Johann; Thys, Amber Paula Marcella; Van Dder Flaas, Mark Arthur Josepha  
 PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.  
 SOURCE: PCT Int. Appl., 29 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005051081	A1	20050609	WO 2004-EP13392	20041125
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BF, BH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG				
AU 2004292762	A1	20050609	AU 2004-292762	20041125
PRIORITY APPLN. INFO.: US 2003-525602P P 20031126				
WO 2004-EP13392 W 20041125				
AB	Fludioxonil or mixts. containing fludioxonil are microbicides for the protection of engineering or industrial materials, such as leather and wood.			
IT	215246-03-0 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (Industrial microbicide)			
RN	215246-03-0 CAPLUS			
CN	1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)			
CH	1			
CRN	178928-70-6			
CMF	C14 H15 Cl2 N3 O S			

L4 ANSWER 26 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
 CRN 131341-86-1  
 CMF C12 H6 F2 N2 O2



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 27 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:471844 CAPLUS  
 DOCUMENT NUMBER: 143:28318  
 TITLE: Micronized wood preservative formulations  
 INVENTOR(S): Leach, Robert M.; Zhang, Jun  
 PATENT ASSIGNEE(S): USA  
 SOURCE: U.S. Pat. Appl. Publ., 21 pp., Cont.-in-part of U.S. Ser. No. 821,326.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005118280	A1	20050602	US 2004-970446	20041021
US 2004258767	A1	20041223	US 2004-821326	20040409
WO 2006047126	A2	20060504	WO 2005-US37303	20051018
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, ML, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.: US 2003-461547P P 20030409				
US 2003-518994P P 20031111				
US 2004-821326 A2 20040409				
US 2004-568485P P 20040506				
US 2004-970446 A 20041021				

AB The wood preservative comps. comprising micronized particles. The composition comprises dispersions of micronized metal or metal compds. The wood preservative composition comprises an inorg. component comprising a metal or metal compound and organic biocides. When the composition comprises an inorg. component and an organic biocide, the inorg. component or the organic biocides or both are present as micronized particles. When used for preservation of wood, the micronized particles can be observed as uniformly distributed within the wood and there is minimal leaching of the metal and biocide from the wood.

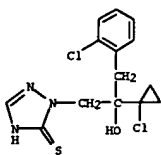
IT 178928-70-6, Prothioconazole  
 RL: BUU (Biological use, unclassified); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses)  
 (micronized wood preservative formulations comprising inorg. metal compds. and organic biocides)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

10521715, 7/18/06

L4 ANSWER 27 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

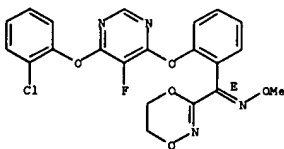


L4 ANSWER 28 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:447661 CAPLUS  
 DOCUMENT NUMBER: 142:458560  
 TITLE: Synergistic fungicidal combination  
 INVENTOR(S): Mauler-Machnik, Astrid; Dahnen, Peter;  
 Kerz-Moehliendick, Friedrich  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 16 pp.  
 CODEN: PIXKXD  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005046331	A1	20050526	WO 2004-EP12118	20041027
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10352264	A1	20050609	DE 2003-10352264	20031108
PRIORITY APPLN. INFO.: DE 2003-10352264 A 20031108				
AB A synergistic fungicidal combination comprises spiromamine, prothioconazole and fluoxastrobin. Said combination is highly suitable for combating phytopathogenic fungi.				
IT 851535-88-1 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal combination)				
RN 851535-88-1 CAPLUS				
CN Methanone, [2-[[16-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl]-5,6-dihydro-1,4,2-dioxazin-3-yl-, O-methylloxime, (IE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 8-[(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)				
CM 1				
CRN 361377-29-9				
CMF C21 H16 Cl F N4 O5				

Double bond geometry as shown.

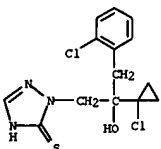
L4 ANSWER 28 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



CM 2

CRN 178928-70-6

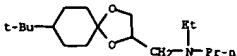
CMF C14 H15 Cl2 N3 O S



CM 3

CRN 118134-30-8

CMF C18 H35 N O2



REFERENCE COUNT:

2

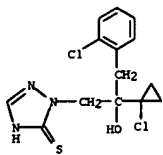
THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 29 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:423726 CAPLUS  
 DOCUMENT NUMBER: 142:458611  
 TITLE: Solid active ingredient formulation to prepare agrochemicals and drugs in amorphous form  
 INVENTOR(S): Ebke, Axel; Reckmann, Udo; Baur, Peter; Reizlein, Karl  
 PATENT ASSIGNEE(S): Bayer Technology Services G.m.b.H., Germany  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXKXD  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044221	A2	20050519	WO 2004-EP11807	20041019
WO 2005044221	A3	20060406		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10351087	A1	20050525	DE 2003-10351087	20031031
CA 2544257	AA	20050519	CA 2004-2544257	20041019
PRIORITY APPLN. INFO.: DE 2003-10351087 A 20031031				
WO 2004-EP11807 W 20041019				
AB The invention relates to novel, solid active ingredient formulations containing solid active ingredients, dispersants, and polymers, that together form a fine-particle, predominantly amorphous mixture. The invention also relates to a method for producing said formulations, and to the use thereof for applying the biol. active ingredients contained therein. Thus 12 g of the insecticide N2-[(1,1-dimethyl-2-methylsulfonyl)ethyl]-3-iodo-N1-(2-methyl-4-[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]phthalimide and 12 g Glucopon 600 CS UP were dissolved in 54 g methylpyrrolidone at 20°C. An other solution was prepared from 12 g polyvinylpyrrolidone K30, PVA Hoviol 3-83 and 198 g water. The two solns. were mixed; the obtained suspension with 0.94 µm particles was drop-wise added to liquid nitrogen and freeze dried. An amorphous product was obtained.				
IT 178928-70-6, Prothioconazole				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (solid active ingredient formulation to prepare agrochemicals and drugs in amorphous form)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				

10521715, 7/18/06

L4 ANSWER 29 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 30 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

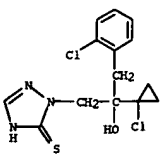
AB There is disclosed a synergistic fungicide composition characterized by containing,

as active ingredients, (a) a benzoxazepine derivative represented by the formula (I) (wherein X = halogeno, nitro, an optionally substituted hydrocarbon group, optionally substituted alkoxy, optionally substituted aryloxy, optionally substituted cycloalkoxy, hydroxy, optionally substituted alkylthio, cyano, optionally esterified or amidated carboxy, or optionally substituted amino; n = 1, 2, 3, or 4; R<sup>1</sup> = optionally substituted alkyl; R<sup>2</sup> = each optionally substituted alkyl, alkoxy, aryloxy, or cycloalkoxy; hydroxy; p = 1, 2, 3; R<sup>3</sup> = optionally substituted alkoxy, hydroxy; provided that at least two of the R<sup>2</sup> and R<sup>3</sup> may form a fused ring containing oxygen) or a salt of the derivative and (b) at least one other fungicide. When applied to crop plants infected with plant diseases, the bactericide composition is stably and highly effective in controlling pests. A combination of the compound I with other fungicide exhibits unexpectedly more effective fungicidal activity compared to a case when the compound I is used alone. Thus, 4,5-dichloro-2-methoxypyridine was treated with lithium diisopropylamide in THF at 78° for 2 h to give a solution of 4,5-dichloro-2-methoxy-3-pyridyllithium which was treated with a solution of 2,3,4-trimethoxy-6-methylbenzaldehyde in THF and stirred for 30 min and quenched by adding water to give, after workup and silica gel chromatog., 51% (2,3,4-trimethoxy-6-methylbenzoyl) (4,5-dichloro-2-methoxy-3-pyridyl)methanol (III). It was oxidized by MnO<sub>2</sub> in toluene under reflux for 2 h to give 65% 3-(2,3,4-trimethoxy-6-methylbenzoyl)-4,5-dichloro-2-methoxypyridine (III). III in combination with fenpropimorph exhibited synergistic fungicidal activity against *Erysiphe graminis* f. s. tritici. 178928-70-6, Prothioconazole

IT RL: ARG (Analytical reagent use); BSU (Biological study, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses) (synergistic agrochem. fungicide composition containing; preparation of benzoxazepine derivs. as synergistic fungicides for controlling plant diseases)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 30 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:405329 CAPLUS

DOCUMENT NUMBER: 142:463607

TITLE: Preparation of benzoxazepine derivatives as synergistic fungicides for controlling plant disease

INVENTOR(S): Nishide, Hisaya; Nishimura, Shigeyuki; Mitani, Shigeru; Minamida, Koji; Kanamori, Fumio; Ogawa, Munekazu; Kanbayashi, Shigehisa; Tanimura, Toyoshi; Higuchi, Koji; Kominami, Hidenasa; Okamoto, Tomohiro; Nishimura, Akihiro

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXKD2

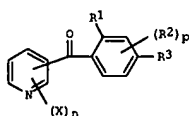
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041663	A1	20050512	WO 2004-JP16156	20041029
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2006052195	A2	20060223	JP 2004-307847	20041022
AU 2004285363	A1	20050512	AU 2004-285363	20041029
EP 1679003	A1	20060712	EP 2004-793257	20041029
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
PRIORITY APPLN. INFO.:				
			JP 2003-371863	A 20031031
			JP 2004-6355	A 20040114
			JP 2004-210174	A 20040716
			WO 2004-JP16156	W 20041029
OTHER SOURCE(S):		MARPAT 142:463607		
GI				



L4 ANSWER 31 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:405320 CAPLUS

DOCUMENT NUMBER: 142:425351

TITLE: Synergistic fungicidal combinations comprising a carboxamide derivative

INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Rieck, Heiko; Suty-Heinze, Anne

PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 126 pp.

CODEN: PIXKD2

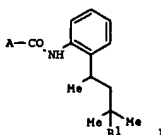
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

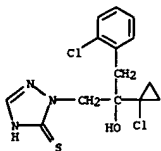
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005041663	A2	20050512	WO 2004-EP11403	20041012
WO 2005041663	A3	20050728		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10349501	A1	20050525	DE 2003-10349501	20031023
AU 2004285267	A1	20050512	AU 2004-285267	20041012
EP 1677598	A2	20060712	EP 2004-790298	20041012
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
PRIORITY APPLN. INFO.:				
			DE 2003-10349501	A 20031023
			WO 2004-EP11403	W 20041012
OTHER SOURCE(S):		MARPAT 142:425351		
GI				



AB Synergistic fungicidal combinations comprise a carboxamide derivative I [R<sup>1</sup> = H, halo or (halo)alkyl; R<sup>1</sup> = (un)substituted Ph, furyl, pyridinyl, etc.]

10521715, 7/18/06

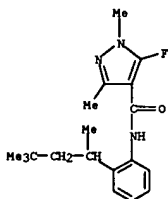
L4 ANSWER 31 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
and any of a very large no. of known fungicides.  
IT 178928-70-6D, Prothioconazole, mixture with carboxamide derivative  
851018-48-9 851018-49-0 851018-63-8  
851018-67-2  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicidal composition)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 851018-48-9 CAPLUS  
CN 1H-Pyrazole-4-carboxamide, 5-fluoro-1,3-dimethyl-N-[2-(1,3,3-trimethylbutyl)phenyl]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

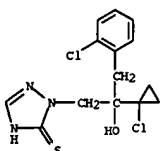
CM 1

CRN 494793-45-2  
CMF C19 H26 F N3 O



CM 2

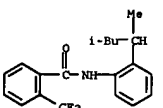
L4 ANSWER 31 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 851018-63-8 CAPLUS  
CN Benzamide, N-[2-(1,3-dimethylbutyl)phenyl]-2-(trifluoromethyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

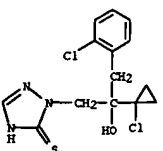
CM 1

CRN 640290-16-0  
CMF C20 H22 F3 N O



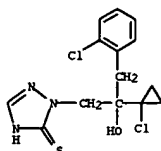
CM 2

CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S



RN 851018-67-2 CAPLUS  
CN Benzamide, N-[2-(1,3-dimethylbutyl)phenyl]-2-iodo-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

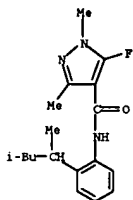
L4 ANSWER 31 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S



RN 851018-49-0 CAPLUS  
CN 1H-Pyrazole-4-carboxamide, N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CM 1

CRN 494793-67-8  
CMF C18 H24 F N3 O



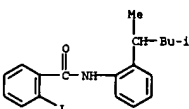
CM 2

CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S

L4 ANSWER 31 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

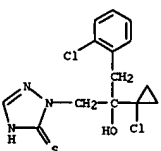
CM 1

CRN 640290-17-1  
CMF C19 H22 I N O



CM 2

CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S



10521715, 7/18/06

L4 ANSWER 32 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:394994 CAPLUS  
 DOCUMENT NUMBER: 142:406016  
 TITLE: Synergistic fungicidal combination of spiroxamine, prothioconazole and tebuconazole  
 INVENTOR(S): Mauler-Machnik, Astrid; Kerz-Moehlendick, Friedrich; Dutzmann, Stefan; Dahmen, Peter  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005039294	A1	20050506	WO 2004-EP11800	20041019
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10349503	A1	20050525	DE 2003-10349503	20031023
AU 2004283475	A1	20050506	AU 2004-283475	20041019
EP 1677600	A1	20060712	EP 2004-790624	20041019
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.: DE 2003-10349503 A 20031023 WO 2004-EP11800 W 20041019				

AB The invention relates to a synergistic combination of spiroxamine, prothioconazole and tebuconazole, which is particularly suitable for combating phytopathogenic fungi.  
 IT 850456-64-3  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal combination)  
 RN 850456-64-3 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with  $\alpha$ -[2-(4-chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and 8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1

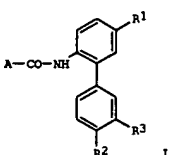
CRN 178928-70-6

CMF C14 H15 C12 N3 O S

L4 ANSWER 33 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:346774 CAPLUS  
 DOCUMENT NUMBER: 142:387616  
 TITLE: Synergistic fungicidal combinations comprising carboxamide derivatives  
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Dahmen, Peter; Dunkel, Ralf; Elbe, Hans-Ludwig; Suty-Heinze, Anne; Rieck, Heiko  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 141 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005034628	A1	20050421	WO 2004-EP10830	20040928
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10347090	A1	20050504	DE 2003-10347090	20031010
AU 2004279674	A1	20050421	AU 2004-279674	20040928
CA 2541646	AA	20050421	CA 2004-2541646	20040928
EP 1675461	A1	20060705	EP 2004-765648	20040928
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.: DE 2003-10347090 A 20031010 WO 2004-EP10830 W 20040928				

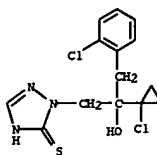
OTHER SOURCE(S): MARPAT 142:387616  
 GI



AB Synergistic fungicidal mixts. comprise a carboxamide derivative I (R1= H or F)

Page 26 SAEED

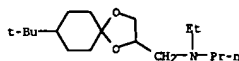
L4 ANSWER 32 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 118134-30-8

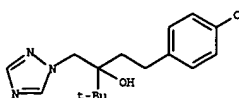
CMF C18 H35 N O2



CH 3

CRN 107534-96-3

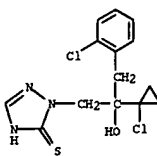
CMF C16 H22 Cl N3 O



REFERENCE COUNT: 6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 R2 = halo, (halo)alkyl or (halo)alkoxy; R3 = H, halo or (halo)alkyl; A = (un)substituted Ph, imidazolyl, thiazolyl, etc.] and any of 22 groups of known fungicides.  
 IT 178928-70-6D, Prothioconazole, mixture with carboxamide derivative 849674-20-0  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal combination)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



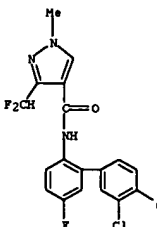
RN 849674-20-0 CAPLUS

CN 1H-Pyrazole-4-carboxamide, N-(3',4'-dichloro-5-fluoro[1,1'-biphenyl]-2-yl)-3-(difluoromethyl)-1-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 581809-46-3

CMF C18 H12 C12 F3 N3 O

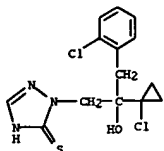


CH 2

CRN 178928-70-6

10521715, 7/18/06

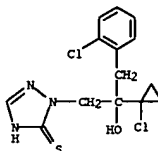
L4 ANSWER 33 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CHF C14 H15 Cl2 N3 O 5



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

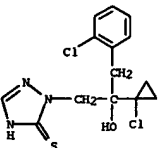
L4 ANSWER 34 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:345862 CAPLUS  
DOCUMENT NUMBER: 142:369297  
TITLE: Production of stable suspension concentrates of prothioconazole  
INVENTOR(S): Vermeer, Ronald; Olenik, Britta  
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
SOURCE: Ger. Offen., 6 pp.  
CODEN: GWXXEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10344125	A1	20050421	DE 2003-10344125	20030924
PRIORITY APPLN. INFO.:			DE 2003-10344125	20030924
AB Prothioconazol, which is present in a thermodyn. metastable form at room temperature, is formulated with additives and blended with water. The obtained mixture is subjected to a first rough grinding. Thereafter, a fine grinding follows in such a way that per L of product capacity, the grinding equipment allows $\leq 3.3$ kg suspension passage per h. Subsequently, the product is treated with water as well as optional further formulating additives.				
IT 178928-70-6, Prothioconazole				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
(production of stable suspension concs. of prothioconazole)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				



L4 ANSWER 35 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:340111 CAPLUS  
DOCUMENT NUMBER: 142:369294  
TITLE: Fungicide suspension concentrates  
INVENTOR(S): Vermeer, Ronald  
PATENT ASSIGNEE(S): Bayer Cropscience A.-G., Germany  
SOURCE: Ger. Offen., 10 pp.  
CODEN: GWXXEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10343872	A1	20050421	DE 2003-10343872	20030923
AU 2004281510	A1	20050428	AU 2004-281510	20040910
WO 2005036963	A1	20050428	WO 2004-EP10114	20040910
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1667525	A1	20060614	EP 2004-765044	20040910
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:				
DE 2003-10343872 A 20030923				
WO 2004-EP10114 W 20040910				
AB Suspension concs. contain: (a) an azole and/or strobilurine derivative solid fungicide; (b) alkanolethoxylate penetration promoter; (c) Atlox 4913, a tristyrilphenol ethoxylate derivative and/or propylene oxide ethylene oxide block copolymer (mol. weight 8000-10000) as dispersing agents; (d) water; and (e) optional additives.				
IT 178928-70-6, Prothioconazole				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)				
(fungicide suspension concs.)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				



10521715, 7/18/06

L4 ANSWER 36 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:283257 CAPLUS  
 DOCUMENT NUMBER: 142:311368  
 TITLE: Prothioconazole-tebuconazole mixture as synergistic fungicide for cereal seeds  
 INVENTOR(S): Suty-Heinze, Anne  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 19 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005027638	A1	20050331	WO 2004-EP9672	20040831
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, EG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10341945	A1	20050421	DE 2003-10341945	20030911
AU 2004273593	A1	20050331	AU 2004-273593	20040831
CA 2538510	AA	20050331	CA 2004-2538510	20040831
NO 2006001585	A	20060407	NO 2006-1585	20060407
PRIORITY APPLN. INFO.: DE 2003-10341945 A 20030911 WO 2004-EP9672 W 20040831				

AB The invention relates to the use of synergistic combinations of prothioconazole and tebuconazole, for disinfecting cereal seeds against an attack by phytopathogenic fungi

IT 215245-59-3, Prothioconazole-tebuconazole mixture  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (prothioconazole-tebuconazole mixture as synergistic fungicide for cereal seeds)

RN 215245-59-3 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with  $\alpha$ -[2-(4-chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CHF C14 H15 C12 N3 O S

L4 ANSWER 37 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2005:120635 CAPLUS  
 DOCUMENT NUMBER: 142:192744  
 TITLE: Synergistic fungicidal composition  
 INVENTOR(S): Dahmen, Peter; Mauler-Machnik, Astrid; Suty-Heinze, Anne; Kerz-Moehlendick, Friedrich  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005011379	A1	20050210	WO 2004-EP8040	20040719
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, EG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10335183	A1	20050224	DE 2003-10335183	20030730
CA 2533868	AA	20050210	CA 2004-2533868	20040719
EP 1651040	A1	20060503	EP 2004-741133	20040719
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.: DE 2003-10335183 A 20030730 WO 2004-EP8040 W 20040719				

AB The title composition is a mixture of fluoxastrobin, prothioconazole and tebuconazole.

IT 835887-52-0  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)

RN 835887-52-0 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl][5,6-dihydro-1,4-dioxazin-3-yl]methanone O-methylloxime and  $\alpha$ -[2-(4-chlorophenyl)ethyl]- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

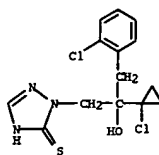
CH 1

CRN 361377-29-9

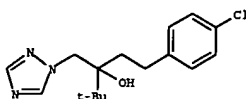
CHF C21 H16 C1 F N4 O5

Double bond geometry as shown.

L4 ANSWER 36 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

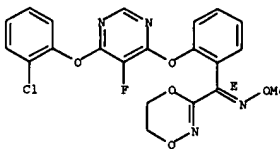


CH 2

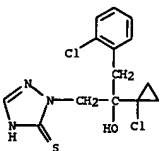
CRN 107534-96-3  
CHF C16 H22 C1 N3 O

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

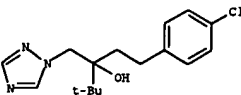
L4 ANSWER 37 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

CH 3

CRN 107534-96-3  
CHF C16 H22 C1 N3 O

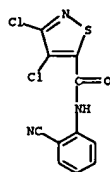
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 38 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:96444 CAPLUS  
 DOCUMENT NUMBER: 142:171491  
 TITLE: Synergistic fungicides containing dichloroisothiazolecarboxylic acid cyanoanilide  
 INVENTOR(S): Dahmen, Peter; Wachendorff-Neumann, Ulrike; Pontzen, Rolf; Assmann, Lutz; Sawada, Haruko  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 41 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

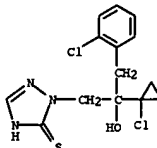
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005009130	A1	20050203	WO 2004-EP8072	20040720
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10333373	A1	20050210	DE 2003-10333373	20030723
PRIORITY APPLN. INFO.: DE 2003-10333373 A 20030723				
AB Novel combinations with very good fungicidal properties comprise 3,4-dichloroisothiazole-5-carboxylic acid 2-cyanoanilide (I) and active substances selected from carpropamid, strobilurins, triazoles, penicillins, phthalides, ferimzone, tricyclazole, diclofymet, carboxamides, pyroquinolone, isoprothiolane, fosetyl Al, and/or kasugamycin. Thus, I + diclofymet at 20 + 100 g/10 acres was 100% effective against Pyricularia on rice leaves inoculated 1 wk after treatment.				
IT 834886-80-5				
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (as synergistic fungicide)				
RN 834886-80-5 CAPLUS				
CN 5-isothiazolecarboxamide, 3,4-dichloro-N-(2-cyanophenyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)				
CH 1				
CRN 224049-04-1				
CMF C11 H5 C12 N3 O S				

L4 ANSWER 38 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



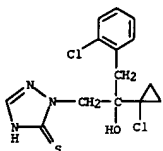
CH 2

CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



IT 178928-70-6D, Prothioconazole, mixts. containing  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses) (synergistic fungicides containing dichloroisothiazolecarboxylic acid cyanoanilide with other components)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 38 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



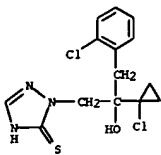
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 39 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:29136 CAPLUS  
 DOCUMENT NUMBER: 142:98251  
 TITLE: Agrochemical formulations with alkoxylated ethylenediamine as emulsion stabilizer  
 INVENTOR(S): Roehling, Andreas; Rosenfeldt, Frank  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005002334	A1	20050113	WO 2004-EP6673	20040621
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10329714	A1	20050120	DE 2003-10329714	20030702
CA 2530883	AA	20050113	CA 2004-2530883	20040621
EP 1643833	A1	20060412	EP 2004-740113	20040621
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.: DE 2003-10329714 A 20030702				
WO 2004-EP6673 W 20040621				
AB Novel agrochem. formulations contain 21 agrochem. active ingredient: a penetration promoter, emulsifier, and fillers if necessary; 7-butyrolactone, and 21 compound that acts as an emulsion stabilizer and/or crystallization inhibitor. Thus, fluoxastrobin 8.7, prothioconazole 8.7, 2-ethylhexanol alkoxylate 15, tristyrylphenol-ethoxypropoxylate 15, tristyrylphenol-ethoxylate 5, Syneronic T 304 10, and 8-butyrolactone 37.6 g were mixed and dispersed in water to obtain an emulsion. After 12 applications of 1.5 L of the formulation + 200 L of water, without cleaning the spray tank in the interim, the maximum coating of				
a 50-mesh nozzle filter was .apprx.1%, whereas a comparative formulation without the Syneronic T 304 resulted in a maximum coating of a 50-mesh filter of .apprx.25%.				
IT 178928-70-6, Prothioconazole 552300-14-8, Fluoxastrobin-prothioconazole mixture 635301-95-0				
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (agrochem. emulsions containing alkoxylated ethylenediamine and)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				

10521715, 7/18/06

L4 ANSWER 39 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



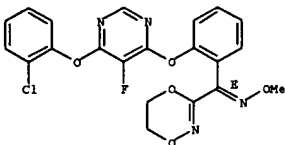
RN 552300-14-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylloxime (9CI) (CA INDEX NAME)

CH 1

CRN 361377-29-9

CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.

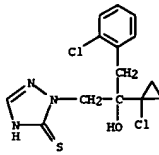


CH 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S

L4 ANSWER 39 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 635301-95-0 CAPLUS

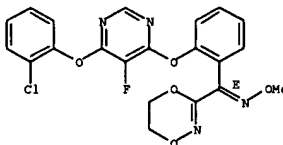
CN Benzeneacetic acid, α-(methoxyimino)-2-[[[(E)-[1-{3-(trifluoromethyl)phenyl}ethylidene]amino]oxy]methyl]-, methyl ester, (αE)-, mixt. with 2-[2-[1-chlorocyclopropyl]-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylloxime (9CI) (CA INDEX NAME)

CH 1

CRN 361377-29-9

CMF C21 H16 Cl F N4 O5

Double bond geometry as shown.

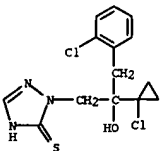


CH 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S

L4 ANSWER 39 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

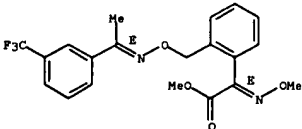


CH 3

CRN 141517-21-7

CMF C20 H19 F3 N2 O4

Double bond geometry as shown.



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 40 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005124705 CAPLUS

DOCUMENT NUMBER: 142:292958

TITLE: Prothioconazole and fluoxastrobin: two new molecules for the use as seed treatment in cereals

AUTHOR(S): Suty-Heinze, A.; Maeuser-Hahn, I.; Kemper, K.

CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany

SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(3), 451-472

CODEN: PNEYAT; ISSN: 0340-1723

PUBLISHER: Bayer AG

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Prothioconazole and fluoxastrobin are two new broad spectrum fungicides that belong to the new chemical class of triazolinthione and dihydro-dioxazine, resp. These two new molcs. provide excellent control of all important seed and soil-borne pathogens such as Tilletia sp., Ustilago spp., Fusarium spp. and Microdochium nivale when applied as seed treatments in cereals. The two fungicides show complementary mode of action as prothioconazole is a DMI-type fungicide, whereas fluoxastrobin acts on the respiratory chain. Given their low systemic properties at the recommended dose rate for seed dressing, no activity against airborne pathogens targeted by spray has been demonstrated. Considering that a robust anti-resistance management strategy will be implemented by marketing fluoxastrobin always in mixture with a DMI-fungicide and given the history of lack of DMI-resistance among the target seed- and soil-borne pathogens, it is considered unlikely that resistance problems will be encountered during com. use.

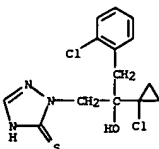
IT 178928-70-6, Prothioconazole 552300-14-8,

Fluoxastrobin-prothioconazole mixture

RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole and fluoxastrobin fungicides for seed treatment in cereals)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 552300-14-8 CAPLUS

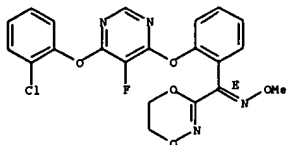
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylloxime (9CI) (CA INDEX NAME)

CH 1

10521715, 7/18/06

L4 ANSWER 40 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CRN 361377-29-9  
CHF C21 H16 Cl F N4 O5

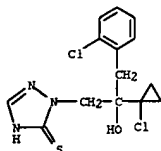
Double bond geometry as shown.



CH 2

CRN 178928-70-6

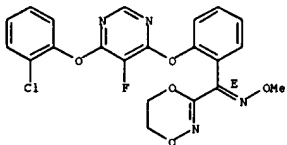
CHF C14 H15 Cl2 N3 O5



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 41 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:24907 CAPLUS  
DOCUMENT NUMBER: 142:292956  
TITLE: Fluoxastrobin: the leaf-systemic, broad spectrum strobilurin  
AUTHOR(S): Dutzmann, S.; Hayakawa, H.; Oshima, A.; Suty-Heinze, A.  
CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany  
SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(3), 415-435  
CODEN: PNBVAT; ISSN: 0340-1723  
PUBLISHER: Bayer AG  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Fluoxastrobin (HEC), a novel broad spectrum strobilurin fungicide, has been discovered and developed by Bayer CropScience. Numerous trial series conducted under field conditions illustrate the broad spectrum of activity and distinct leaf systemic performance of fluoxastrobin, providing reliable and long-lasting control of all leaf spot and rust diseases in cereal crops. The combination with prothioconazole further increases the biol. activity of fluoxastrobin, serves as a built-in resistance management tool and further broadens the spectrum of activity of fluoxastrobin. In addition to Septoria leaf spot diseases (Septoria tritici, Stagonospora nodorum), cereal rusts (Puccinia recondita, P. striiformis, P. hordei), Helminthosporium diseases (Drechslera tritici-repentis, Drechslera teres), scald (Rhynchosporium secalis) and powdery mildew (Blumeria graminis spp.), the combined product also efficiently controls all stem-base and ear diseases, including eye-spot (Tapesia yellundae, Tapesia acuformis, Rhizoctonia spp.), Fusarium spp. as well as Microdochium nivale.  
IT 552300-14-8, Fluoxastrobin-prothioconazole mixture  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (fluoxastrobin mixts. as leaf-systemic, broad spectrum strobilurin fungicide)  
RN 552300-14-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] [5,6-dihydro-1,4,2-dioxazin-3-yl]methanone O-methylloxime (9CI) (CA INDEX NAME)  
CH 1  
CRN 361377-29-9  
CHF C21 H16 Cl F N4 O5  
Double bond geometry as shown.

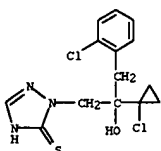
L4 ANSWER 41 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

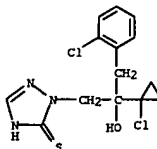
CRN 178928-70-6

CHF C14 H15 Cl2 N3 O5



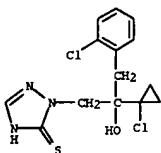
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 42 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:15007 CAPLUS  
DOCUMENT NUMBER: 142:292953  
TITLE: Prothioconazole for control of Sclerotinia sclerotiorum in oilseed rape/canola  
AUTHOR(S): Davies, P.; Muncey, M.  
CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany  
SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 283-293  
CODEN: PNBVAT; ISSN: 0340-1723  
PUBLISHER: Bayer AG  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Sclerotinia sclerotiorum is globally potentially the most common as well as the most serious disease of oilseed rape in Europe and canola in North America particularly Canada. Control of this disease, together with yield improvement, can be achieved with spray applications of prothioconazole. The recommended rates of prothioconazole 250 EC (Proline) in Europe is 175 g a.i./ha. The recommended rates of prothioconazole 480 SC in Canada and the USA is 150-200 g a.i./ha.  
IT 178928-70-6, Prothioconazole  
RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole for control of Sclerotinia sclerotiorum in oilseed rape/canola)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



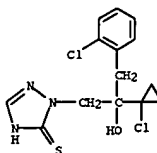
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 43 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:15006 CAPLUS  
 DOCUMENT NUMBER: 142:292952  
 TITLE: Fusarium head blight: An additional strength of prothioconazole  
 AUTHOR(S): Suty-Heinze, A.; Dutzmann, S.  
 CORPORATE SOURCE: Bayer CropScience AG, Monheim, D-40789, Germany  
 SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 265-282  
 CODEN: PNBVAT; ISSN: 0340-1723  
 PUBLISHER: Bayer AG  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Fusarium head blight causes considerable quant. and qual. damage to wheat regarding food and feed quality, baking and brewing performance, as well as seed germination. Mycotoxin producing Fusarium fungi, especially Fusarium graminearum, are generally the most prevalent Fusarium species isolated from wheat ears in Western Europe. Prothioconazole (JAU 6476), a new generation DMI from the new chemical class of triazolinthiones, provides outstanding control of all the main cereal pathogens, setting new stds. of Fusarium control. This mol. presents the highest level of efficacy (about 10% more than tebuconazole, the com. standard) against all economically important Fusarium species (Fusarium spp., Microdochium nivale). Furthermore, in numerous field trials, prothioconazole has most effectively reduced the level of the three main mycotoxins occurring in wheat: deoxynivalenol, nivalenol and zearalenone. Combined with adapted cropping methods, prothioconazole, alone or in combination with mixing partners, contributes considerably to the high quality yield in cereals, thus offering an optimal solution in all growing conditions.  
 IT 178928-70-6, Prothioconazole  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole for control of Fusarium head blight of wheat)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



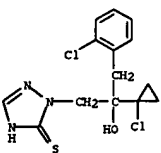
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 44 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:15005 CAPLUS  
 DOCUMENT NUMBER: 142:292951  
 TITLE: Prothioconazole: A broad spectrum demethylation-inhibitor (DMI) for arable crops  
 AUTHOR(S): Dutzmann, S.; Suty-Heinze, A.  
 CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany  
 SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 249-264  
 CODEN: PNBVAT; ISSN: 0340-1723  
 PUBLISHER: Bayer AG  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Prothioconazole (JAU 6476), an innovative broad spectrum and systemic DMI fungicide, belongs to the new chemical class of triazolinthiones. It can be used for foliar spray application in cereals and in many other important arable crops as well as for seed treatment. Prothioconazole provides excellent control of all relevant cereal pathogens. Ideal systemic properties of prothioconazole, together with an excellent long-lasting activity, will allow innovative, tailor-made solns. by combining prothioconazole with other selected fungicides.  
 IT 178928-70-6, Prothioconazole:  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole as broad spectrum demethylation-inhibitor fungicide for arable crops)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



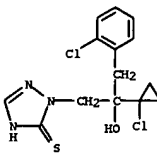
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 45 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:15004 CAPLUS  
 DOCUMENT NUMBER: 142:292950  
 TITLE: Prothioconazole - a new dimension DMI biochemistry, mode of action, systemic effects  
 AUTHOR(S): Haeuser-Hahn, I.; Baur, P.; Schmitt, W.  
 CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany  
 SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 237-248  
 CODEN: PNBVAT; ISSN: 0340-1723  
 PUBLISHER: Bayer AG  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Prothioconazole, a novel broad-spectrum fungicide with the sterol biosynthesis as target, belongs to the group of demethylation inhibitors (DMI). The Biol. mode of action shows that prothioconazole does not inhibit germ tube initiation but hyphal growth and elongation of the germ tube. The fungicide effects massively the structure of the cell wall and the swelling of the hyphal tip and abnormal growth takes place. In a later developmental stage fungal cells collapse. Prothioconazole is very rain fast and hardly any difference in efficacy can be determined if rain falls 3-6 h after spray application under greenhouse conditions. It shows a very even distribution over time on the leaf surface and translocation from the point of application to the tip of the leaf. The mixture of prothioconazole with spiromamine shows optimal systemic behavior and offers a good solution to the different plant diseases. Spiromamine considerably enhances the penetration of prothioconazole.  
 IT 178928-70-6, Prothioconazole  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole DMI fungicide and its biochem., mode of action, systemic effects)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 46 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:15003 CAPLUS  
 DOCUMENT NUMBER: 142:292949  
 TITLE: Prothioconazole: Sensitivity profile and anti-resistance strategy  
 AUTHOR(S): Kuck, K.-H.; Mehl, A.  
 CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, 40789, Germany  
 SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 225-236  
 CODEN: PNBVAT; ISSN: 0340-1723  
 PUBLISHER: Bayer AG  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The triazolin-thione prothioconazole (JAU 6476) is, by its mode of action, a member of the DMI fungicide group. As a consequence, prothioconazole generally shows a pos. cross-resistance to other DMI fungicides. Sensitivity information and/or cross resistance studies with Blumeria graminis f.sp. tritici, Blumeria graminis f.sp. hordei, Septoria tritici, Tapesia yellundae and Tapesia acuformis are presented. With the eyespot pathogens, T. acuformis and T. yellundae, no cross resistance to prochloraz has been detected. The resistance management for prothioconazole is orientated at the approved modifiers for other DMIs.  
 IT 178928-70-6, Prothioconazole:  
 RL: BSU (Biological study, unclassified); BIOL (Biological study) (prothioconazole fungicide sensitivity and anti-resistance strategy)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

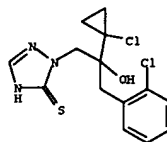
10521715, 7/18/06

L4 ANSWER 47 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2005:15002 CAPLUS  
 DOCUMENT NUMBER: 143:92313  
 TITLE: Metabolism of prothioconazole (JAU 6476) in animals and plants  
 AUTHOR(S): Haas, M.; Justus, K.  
 CORPORATE SOURCE: Bayer CropScience AG, Monheim am Rhein, D-40789, Germany  
 SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 207-224  
 CODEN: PNBVAT; ISSN: 0340-1723  
 PUBLISHER: Bayer AG  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

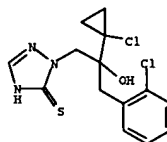
AB Prothioconazole (JAU 6476) is a new foliar, broad-spectrum fungicide developed for the control of fungal diseases, e.g., in cereals, peanuts, oilseed rape and rice and other field crops after foliar spray or seed dressing application. To assess the environmental behavior of prothioconazole, its metabolism in plants as well as its uptake, distribution, excretion, and metabolism in the rat were studied in detail as part of a comprehensive program of toxicol. investigations. For the animal metabolism studies the rat was selected as a model for humans, the lactating goat as a model for ruminants and the laying hen as model for poultry. In addition, the metabolism in fish was also investigated to support the ecotoxicol. assessment. In the rat, prothioconazole showed a high absorption, a rapid distribution in the body and almost complete excretion during the test period, mainly with the feces. The radioactivity was eliminated continuously from the organs and tissues. Due to the similarly rapid excretion observed in the lactating goat and laying hens, the residues in the edible organs and tissue at sacrifice were low in relation to the dose. The residues in the milk and eggs were also very low. The degradation in the goat and hen as well as in the fish followed the same basic metabolic routes as in the rat. The metabolic behavior of prothioconazole in plants was studied in wheat and peanuts after spray application of (phenyl-UL-14C)prothioconazole. Only minor amts. of prothioconazole were identified in some of the raw agricultural commodities sampled.

IT 856045-85-7 856045-86-8  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PKT (Pharmacokinetics); BIOL (Biological study); USES (Uses) (metabolism of prothioconazole (JAU 6476) in animals and plants)  
 RN 856045-85-7 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, labeled with carbon-14 (9CI) (CA INDEX NAME)

L4 ANSWER 47 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

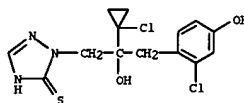


RN 856045-86-8 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, labeled with carbon-14 (9CI) (CA INDEX NAME)



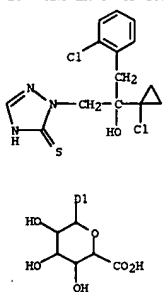
IT 856045-87-9 856220-43-4 856220-53-6  
 RL: BSU (Biological study, unclassified); PKT (Pharmacokinetics); BIOL (Biological study) (metabolism of prothioconazole (JAU 6476) in animals and plants)

RN 856045-87-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chloro-4-hydroxyphenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 856220-43-4 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mono-β-D-glucopyranuronosyl deriv. (9CI) (CA INDEX NAME)

L4 ANSWER 47 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

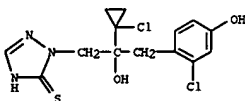


RN 856220-53-6 CAPLUS  
 CN β-D-Glucopyranuronic acid, monoglycoside with 2-[2-(1-chlorocyclopropyl)-3-(2-chloro-4-hydroxyphenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 856045-87-9

CMF C14 H15 C12 N3 O2 S



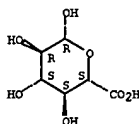
CH 2

CRN 23018-83-9

CMF C6 H10 O7

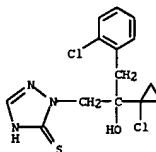
Absolute stereochemistry.

L4 ANSWER 47 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



IT 178928-70-6, JAU6476  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PKT (Pharmacokinetics); BIOL (Biological study); USES (Uses) (prothioconazole; metabolism of prothioconazole (JAU 6476) in animals and plants)

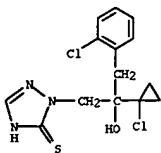
RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

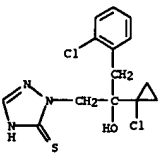
10521715, 7/18/06

14 ANSWER 48 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2005:15001 CAPLUS  
DOCUMENT NUMBER: 142:292943  
TITLE: Analytical method for the determination of residues of  
prothioconazole in/on cereals and oilseed rape by HPLC  
with electrospray ionization and MS/MS-detection  
Heinemann, O.  
AUTHOR(S): Bayer CropScience AG, Monheim am Rhein, D-40789,  
Germany  
CORPORATE SOURCE: Pflanzenschutz-Nachrichten Bayer (German Edition)  
SOURCE: (2004), 57(2), 181-206  
CODEN: PNBVAT; ISSN: 0340-1723  
PUBLISHER: Bayer AG  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB An anal. method was developed for the determination of residue of  
prothioconazole-desethio in cereal and canola materials.  
Prothioconazole-desethio was extracted from the homogenized samples using an  
acetonitrile/water mixture. The extraction process was shown to be quant.  
with incurred radioactive residues from metabolism studies. After filtration the  
extract was diluted for measurement by HPLC-MS/MS. The anal. solution was  
chromatographed by reversed-phase HPLC using an acetonitrile/water eluent  
containing acetic acid. The analyte was detected using a triple-stage mass  
spectrometer with an electrospray interface operated in the pos. ion mode  
under multiple reaction monitoring conditions. The limit of quantitation  
(LOQ) of the method is 0.01 mg/kg for cereal grain and canola seed, 0.02  
mg/kg for barley breeding male and 0.05 mg/kg for all other matrices  
tested. The limit of detection (LOD) was at least three times lower than  
that of the LOQ, as can be concluded from the linearity response data and  
matrix interference observed in control sample chromatograms.  
IT 178928-70-6, Prothioconazole 178928-70-6D,  
Prothioconazole, desethio metabolite  
RL: ANT (Analyte); ANST (Analytical study)  
(determination of residues of prothioconazole in/on cereals and oilseed  
rape by HPLC with electrospray ionization and MS/MS-detection)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
2-hydroxypropenyl]-1,2-dihydro- (SCT) (CA INDEX NAME)



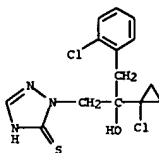
RN 178928-70-6 CAPLUS

LA	ANSWER 49 OF 101	CAPLUS	COPYRIGHT 2006 ACS on STN
AC	ACCESSION NUMBER:	2005:15000	CAPLUS
DO	DOCUMENT NUMBER:	142:292948	
TI	TITLE:	Behaviour of prothioconazole (JAU 6476) in the environment	
AU	AUTHOR(S):	Hellpöintner, E.; Borchers, H.	
CO	CORPORATE SOURCE:	Bayer CropScience AG, Monheim am Rhein, D-40789, Germany	
SO	SOURCE:	Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 163-180 CODEN: PNEYAT; ISSN: 0340-1723	
PU	PUBLISHER:	Bayer AG	
DT	DOCUMENT TYPE:	Journal	
LA	LANGUAGE:	English	
AB	Prothioconazole (JAU 6476) is a new fungicide for use as seed and spray treatment in agriculture. The environmental behavior of this fungicide was investigated. The results confirm that there is no potential for persistence or accumulation of prothioconazole and its degradation products in the environment. Prothioconazole will disappear rapidly in soil after having been applied as a crop protection chemical. In the field, half-life values ranged from 1.3 to 2.8 days. Differences in the degradation and translocation behavior could not be observed for cropped or bare soil. Ecotoxicological assessments of environmentally accepted computer models clearly demonstrates that no concerns related to groundwater contamination by prothioconazole or its metabolites are to be expected. Hydrolytic breakdown will not contribute to the degradation of prothioconazole in an aquatic environment. Whenever a surface water will be contaminated by the parent compound, solar radiation can contribute to the degradation of prothioconazole via phototransformation reactions. Based on the results concerning vapor pressure, Henry's Law Constant and photoxidative stability in ambient air, it could be concluded that the emission of prothioconazole into the air nor accumulation of air and contamination by wet or dry deposition are to be expected for the parent compound and its major metabolite.		
IT	178928-70-6, Prothioconazole RL: BSU (Biological study, unclassified); BLOL (Biological study) (behavior of prothioconazole (JAU 6476) fungicide in environment) 178928-70-6, CAPLUS		
RN	3H-1,2,4-Triazole-3-thione, 2-(2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropenyl)-1,2-dihydro- (9CI) (CA INDEX NAME)		
CN			



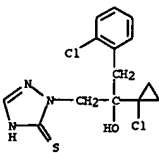
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 48 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

LA	ANSWER 50 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:	2005:14999 CAPLUS
DOCUMENT NUMBER:	142:292934
TITLE:	Chemistry of prothioconazole (JAU 6476)
AUTHOR(S):	Jautelat, M.; Elbe, H.-L.; Benet-Buchholz, J.; Etzel, V.
CORPORATE SOURCE:	Burscheid, D-51399, Germany
SOURCE:	Pflanzenschutz-Nachrichten Bayer (German Edition) (2004), 57(2), 145-162
	CODEN: PNEYAT; ISSN: 0340-1723
PUBLISHER:	Bayer AG
DOCUMENT TYPE:	Journal; General Review
LANGUAGE:	English
AB	<p>The new fungicidal class of triazolinthiones was found by structural modifications of the azole heterocycle. Prothioconazole (I) was identified as an outstanding fungicide from this class, showing a broad spectrum of activity, and high and long-lasting efficacy accompanied by increases in yield and crop quality. As systematic fungicide with protective and curative properties, compound 1 is an excellent compound for combating many diseases in different crops such as cereals, oilseed rape or peanuts. The biochem. mode of action is the inhibition of the demethylation of lanosterol or 24-methylene-dihydrolanosterol, which are precursors of sterol in fungi. Compound I possesses an asym. substituted C-atom and thus forms two enantiomers, which were separated by chromatog. on chiral phases.</p>
IT	178928-70-6, Prothioconazole
	RI: BSU (Biological study, unclassified); BIOL (Biological study) (JAU 6476; chemical and mode of action of prothioconazole fungicide)
RN	178928-70-6 CAPLUS
CN	3H-1,2,4-Triazole-3-thione, 2-[(2-(1-(chlorocyclopropyl)-3-(2-(chlorophenyl)-2-hydroxypropoxy)-1,2-dihydro)-9-yl)] (CA INDEX NAME)

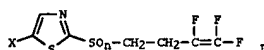


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

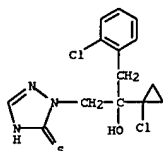
L4 ANSWER 51 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:964973 CAPLUS  
 DOCUMENT NUMBER: 141:390413  
 TITLE: Synergistic nematocidal, insecticidal, and fungicidal compositions comprising trifluorobutenyl derivatives  
 INVENTOR(S): Andersch, Volfram; Wachendorff-Neumann, Ulrike; Kraus, Anton  
 PATENT ASSIGNEE(S): Bayer Cropscience Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004095929	A1	20041111	WO 2004-EP4165	20040420
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SV, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10319591	A1	20041118	DE 2003-10319591	20030502
AU 2004233565	A1	20041111	AU 2004-233565	20040420
CA 2524058	AA	20041111	CA 2004-2524058	20040420
EP 1622453	A1	20060208	EP 2004-728352	20040420
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
BR 2004010040	A	20060425	BR 2004-10040	20040420
PRIORITY APPL. INFO.:			DE 2003-10319591	A 20030502
			WO 2004-EP4165	W 20040420
OTHER SOURCE(S): MARPAT 141:390413				
GI				



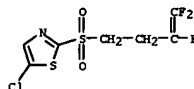
AB Disclosed are active substance combinations comprising trifluorobutenyl derivs. I (X = halo; n = 0, 1 or 2) and previously known fungicides. The active substance combinations have a very good synergistic fungicidal, nematocidal, insecticidal, and/or acaricidal effect.  
 IT 785016-64-0

L4 ANSWER 51 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

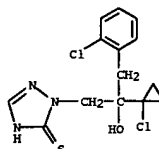


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 51 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic nematocidal, insecticidal, and fungicidal compn.)  
 RN 785016-64-0 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5-chloro-2-[(3,4,4-trifluoro-3-butenyl)sulfonyl]thiazole (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 318290-98-1  
 CMF C7 H5 Cl F3 N O2 S2

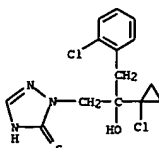


CM 2  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



IT 178928-70-6D, Prothioconazole, mixts. with trifluorobutenyl derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic nematocidal, insecticidal, and fungicidal compn.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 52 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:881756 CAPLUS  
 DOCUMENT NUMBER: 143:2570  
 TITLE: Distribution and severity of pasmo on flax in North Dakota and evaluation of fungicides and cultivars for management  
 AUTHOR(S): Halley, S.; Bradley, C. A.; Lukach, J. R.; McMullen, M.; Knodel, J. J.; Endres, G. J.; Gregoire, T.  
 CORPORATE SOURCE: Langdon Research Extension Center, North Dakota State University, Fargo, 58105, USA  
 SOURCE: Plant Disease (2004), 88(10), 1123-1126  
 CODEN: PLDIIE; ISSN: 0191-2917  
 PUBLISHER: American Phytopathological Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB PasmO, caused by Septoria linicola, reduces flax (Linum usitatissimum) yield in the Canadian provinces of Manitoba and Saskatchewan, but little is known about its distribution and effect on yield in North Dakota. Field surveys for pasmo were conducted in 74 and 87 flax fields across 19 and 23 North Dakota counties in 2002 and 2003, resp. The surveys indicated that pasmo was present in 17 and 18 counties in 2002 and 2003, resp. County mean plant incidences ranged from 0 to 21% and 0 to 84.5% in 2002 and 2003, resp. County mean pasmo severity ranged from 0 to 38.8% and 0 to 29.3% in 2002 and 2003, resp. Significant (P ≤ 0.07) pos. Pearson correlations were detected between total rainfall accumulated for June to August and pasmo severity in 2002 and 2003 and for rainfall and pasmo incidence in 2003. Field trials were conducted to determine the effect of fungicides and flax cultivars on pasmo severity and flax yield. PasmO severity was significantly (P ≤ 0.05) reduced with azoxystrobin and sulfur fungicides compared with the untreated control. Flax yields were significantly (P ≤ 0.05) greater in azoxystrobin- and prothioconazole-treated plots than in the untreated control plots. Cv. Omega had significantly lower pasmo severity than the other three cultivars, but cv. Rahab 94 had the greatest yield of all the cultivars. Based on the results presented, pasmo is an important disease of flax in North Dakota, and its distribution is widespread throughout the flax-production region. Fungicides such as azoxystrobin and prothioconazole appear to be excellent potential tools for pasmo management.  
 IT 178928-70-6, JAU 6476  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (prothioconazole; pasmo on flax control by fungicides)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



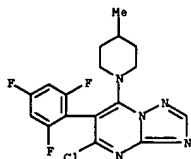
10521715, 7/18/06

L4 ANSWER 52 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

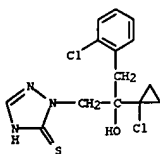
L4 ANSWER 53 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:633396 CAPLUS  
DOCUMENT NUMBER: 141:135584  
TITLE: Synergistic fungicidal mixtures based on a triazolopyrimidine derivative and azoles  
INVENTOR(S): Tormo I. Blasco, Jordi; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoefl, Ulrich  
PATENT ASSIGNER(S): BASF Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 34 pp.  
DOCUMENT TYPE: CODEN: PIXXD2  
LANGUAGE: Patent  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004084519	A1	20040805	WO 2003-EP12767	20031114
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG			
CA 2505588	AA	20040805	CA 2003-2505588	20031114
AU 2003303097	A1	20040813	AU 2003-303097	20031114
EP 1562428	A1	20050817	EP 2003-814404	20031114
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003016273	A	20051011	BR 2003-16273	20031114
NO 2005001926	A	20050614	NO 2005-1926	20050420
US 2006111320	A1	20060525	US 2005-532755	20050427
PRIORITY APPLN. INFO.:			DE 2002-10253584	A 20021115
			WO 2003-EP12767	W 20031114
AB	Synergetic fungicidal mixts. contain 5-chloro-7-(4-methylpiperidin-1-yl)-6-(2,4,6-trifluorophenyl)-[1,2,4]triazolo[1,5-a]pyrimidine and an azole derivative selected from bromconazole, difenoconazole, diniconazole, fenbuconazole, fluquinconazole, flusilazole, hexaconazole, prochloraz, tetraconazole, triflumizole, flutriafol, myclobutanil, penconazole, simeconazole, ipconazole, triticonazole and prothioconazole.			
IT	727692-07-1 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal composition)			
RN	727692-07-1 CAPLUS			
CN	3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5-chloro-7-(4-methyl-1-piperidinyl)-6-(2,4,6-trifluorophenyl)[1,2,4]triazolo[1,5-a]pyrimidine (9CI) (CA INDEX NAME)			
CH	1			

L4 ANSWER 53 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CRN 214706-53-3  
CMP C17 H15 C1 F3 N5

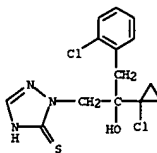


CH 2  
CRN 178928-70-6  
CMP C14 H15 C12 N3 O 5



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

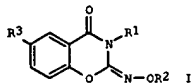
L4 ANSWER 54 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:496586 CAPLUS  
DOCUMENT NUMBER: 141:390340  
TITLE: A new systemic triazolinthione fungicide: prothioconazole  
AUTHOR(S): Guan, Aiyong; Li, Lin; Liu, Changling  
CORPORATE SOURCE: Shenyang Research Institute of Chemical Industry, Shenyang, 110021, Peop. Rep. China  
SOURCE: Nongyao (2003), 42(9), 42-43, 41  
CODEN: NONGFP; ISSN: 1006-0413  
PUBLISHER: Nongyao Bianjibu  
DOCUMENT TYPE: Journals/ General Review  
LANGUAGE: Chinese  
AB A review. Prothioconazole, a new systemic triazolinthione fungicide with broad-spectrum activities against many kinds of diseases, was briefly reviewed in this paper. Its discovery, chemical names, phys. and chemical properties, toxicities, mode of action, patent, synthesis method, biol. properties and applications were involved.  
IT 178928-70-6, Prothioconazole  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(prothioconazole as systemic triazolinthione fungicide)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



10521715, 7/18/06

L4 ANSWER 55 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:387216 CAPLUS  
 DOCUMENT NUMBER: 140:370223  
 TITLE: Synergistic fungicide mixtures containing an oxazinone derivative  
 INVENTOR(S): Rheinheimer, Joachim; Grote, Thomas; Ammermann, Eberhard; Stierl, Reinhard; Strathmann, Siegfried; Schoeffl, Ulrich  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 26 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004039157	A1	20040513	WO 2003-EP11226	20031010
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003278066	A1	20040525	AU 2003-278066	20031010
PRIORITY APPLM. INFO.: DE 2002-10250278 A 20021028 WO 2003-EP11226 W 20031010				
OTHER SOURCE(S): MARPAT 140:370223				
GI				

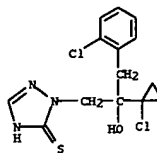


AB The invention relates to synergistic fungicide mixts. containing an oxazine  
 I  
 (R1 = Pr or Bu; R2 = Me, Et or Pr; R3 = F, Cl, Br or I) and at least one known fungicide.  
 IT 178928-70-6D, Prothioconazole, mixts. with oxazinone derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicides)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

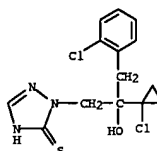
L4 ANSWER 56 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2004:80425 CAPLUS  
 DOCUMENT NUMBER: 140:146143  
 TITLE: Preparation of crystal modification II of prothioconazole as microbicide  
 INVENTOR(S): Seidel, Erika; Vermeer, Ronald; Hasenack, Karin; Olenik, Britta  
 PATENT ASSIGNEE(S): Bayer CropScience Ag, Germany  
 SOURCE: PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004008860	A1	20040129	WO 2003-EP7473	20030710
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10233171	A1	20040212	DE 2002-10233171	20020722
CA 2492973	AA	20040129	CA 2003-2492973	20030710
AU 2003246673	A1	20040209	AU 2003-246673	20030710
BR 2003012839	A	20050426	BR 2003-12839	20030710
EP 1524905	A1	20050427	EP 2003-764967	20030710
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1681390	A	20051012	CN 2003-822449	20030710
JP 2006052994	T2	20060126	JP 2004-522435	20030710
US 2006106080	A1	20060518	US 2005-521715	20051107
PRIORITY APPLM. INFO.: DE 2002-10233171 A 20020722 WO 2003-EP7473 W 20030710				
AB A thermodynamically stable crystal modification of 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione (I) is produced by treatment of the crystal modification I of I in the presence of water or 11 aliphatic alc., dialkylketone, and/or carboxylic acid alkyl ester at a temperature between 0-90°. Crystal modification II (m.p. 938.3) is mixed with surfactants and fillers to obtain antimicrobial agents.				
IT 178928-70-6 RL: AGR (Agricultural use); PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); BIOL (Biological study); PROC (Process); USES (Uses) (crystal modification II of prothioconazole and its preparation as microbicide)				
RN 178928-70-6 CAPLUS				
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)				

L4 ANSWER 55 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 56 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 57 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:60217 CAPLUS  
 DOCUMENT NUMBER: 140:92293  
 TITLE: Synergistic fungicidal mixtures containing dithianon and azole derivatives  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Schoeffl, Ulrich; Schelberger, Klaus; Scherer, Maria; Henningsen, Michael; Gold, Randall Even  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 17 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004006666	A2	20040122	WO 2003-EP6888	20030630
WO 2004006666	A3	20040701		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2491349	AA	20040122	CA 2003-2491349	20030630
AU 2003246635	A1	20040202	AU 2003-246635	20030630
BR 2003012383	A	20050412	BR 2003-12383	20030630
EP 1521527	A2	20050413	EP 2003-763664	20030630
EP 1521527	B1	20060405		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1665393	A	20050907	CN 2003-816152	20030630
EP 1586239	A2	20051019	EP 2005-16045	20030630
EP 1586239	A3	20051221		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005537259	T2	20051208	JP 2004-520430	20030630
EP 1606998	A1	20051221	EP 2005-16043	20030630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
EP 1611789	A1	20060104	EP 2005-16044	20030630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2005245550	A1	20051103	US 2004-519214	20041227
PRIORITY APPLN. INFO.: DE 2002-10231295 A 20020710 EP 2003-763664 A3 20030630 WO 2003-EP6888 W 20030630				

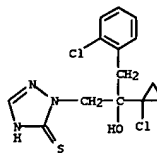
AB Fungicidal mixts. contain, in a synergistically effective amount, dithianon and at least one azole derivative selected from among metconazole, epoxiconazole, fluquinconazole, tebuconazole, tetraconazole,

L4 ANSWER 57 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 difenoconazole, and prothioconazole. Thus, dithianon-metconazole mixt. at 4 + 1 ppm synergistically controlled Alternaria solani in tomato.  
 IT 616235-50-8  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as synergistic fungicide)  
 RN 616235-50-8 CAPLUS  
 CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

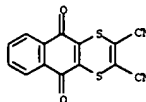
CMF C14 H15 C12 N3 O S



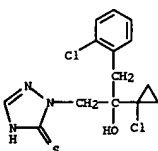
CH 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



L4 ANSWER 58 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:13010 CAPLUS  
 DOCUMENT NUMBER: 140:351974  
 TITLE: New molecules at CIMA 2003: 6 fungicides and 1 insecticide  
 AUTHOR(S): Michel, Philippe  
 CORPORATE SOURCE: UIPP (Union des industries de la protection des plantes), Fr.  
 SOURCE: Phytoma (2003), 566, 33-35  
 CODEN: PHYTOU; ISSN: 1164-6993  
 PUBLISHER: Editions Le Carroussel  
 DOCUMENT TYPE: Journal General Review  
 LANGUAGE: French  
 AB A review. During the international conference on farming diseases (CIMA) organized by the French Plant Protection Association (AFPP) in Tours during this month of Dec., seven molec. are being presented, i.e. 4 fungicides presented in 2003 for the very first time, along with 2 fungicides and an insecticide already presented in 2002. The new fungicides are as follows: benthiavalicarb-iso-Pr created by Kumiai and Ithara, developed by Ceresagri and Certis; boscalid by BASF, dimoxystrobin by BASF, metrafenon by BASF. The two other fungicides are prothioconazole and fluoxastrobin, both produced by Bayer CropScience. The insecticide in question is clothianidin, created by Takeda and developed by Bayer CropScience in particular.  
 IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (6 fungicides and 1 insecticide presented at CIMA 2003)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[(2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl)-1,2-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 59 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:2597 CAPLUS  
 DOCUMENT NUMBER: 140:37414  
 TITLE: Synergistic fungicidal combination of trifloxystrobin, fluoxastrobin, and prothioconazole  
 INVENTOR(S): Wachendorf-Neumann, Ulrich; Mauler-Machnik, Astrid; Heinemann, Ulrich; Jautelat, Manfred  
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
 SOURCE: PCT Int. Appl., 18 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000022	A1	20031231	WO 2003-EP6106	20030611
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, HL, HR, NE, SN, TD, TG				
DE 10228104	A1	20040115	DE 2002-10228104	20020624
AU 2003242667	A1	20040106	AU 2003-242667	20030611
BR 2003012093	A	20050322	BR 2003-12093	20030611
EP 1517610	A1	20050330	EP 2003-760602	20030611
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005530828	T2	20051013	JP 2004-514689	20030611
US 2006014738	A1	20060119	US 2005-519668	20050822
PRIORITY APPLN. INFO.: DE 2002-10228104 A 20020624 WO 2003-EP6106 W 20030611				

AB A novel combination of trifloxystrobin, fluoxastrobin, and prothioconazole in the weight ratio of 1:(0.1-10):(0.1-10) is very suitable for controlling phytopathogenic fungi. Thus, a mixture of trifloxystrobin 25, prothioconazole 50, and fluoxastrobin 25 g/ha synergistically controlled Pyrenophora teres on barley.  
 IT 635301-95-0  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as synergistic fungicide)  
 RN 635301-95-0 CAPLUS  
 CN Benzeneacetic acid,  $\alpha$ -(methoxymino)-2-[[[(E)-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (E)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and (1E)-[2-[[[6-(2-chlorophenoxyl)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylloxime (9CI) (CA INDEX NAME)

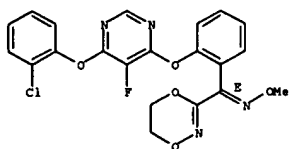
CH 1

CRN 361377-29-9

CMF C21 H16 C1 F N4 O5

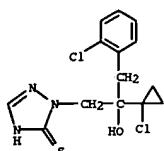
10521715, 7/18/06

L4 ANSWER 59 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
Double bond geometry as shown.



CH 2

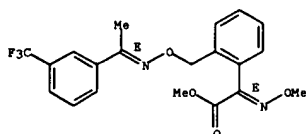
CRN 178928-70-6  
CHF C14 H15 C12 N3 O 5



CH 3

CRN 141517-21-7  
CHF C20 H19 F3 N2 O4

Double bond geometry as shown.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 60 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:2596 CAPLUS  
DOCUMENT NUMBER: 140:37413  
TITLE: Synergistic fungicidal combinations of trifloxystrobin and prothioconazole  
INVENTOR(S): Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Jautelat, Manfred  
PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
SOURCE: PCT Int. Appl., 19 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000021	A1	20031231	WO 2003-EP6174	20030612
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10228102	A1	20040115	DE 2002-10228102	20020624
CA 2490303	AA	20031231	CA 2003-2490303	20030612
AU 2003237930	A1	20040106	AU 2003-237930	20030612
BR 2003012103	A	20050329	BR 2003-12103	20030612
EP 1519651	A1	20050406	EP 2003-735610	20030612
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005530831	T2	20051013	JP 2004-514700	20030612
US 2006004070	A1	20060105	US 2005-518742	20050726
PRIORITY APPLM. INFO.: DE 2002-10228102 A 20020624 WO 2003-EP6174 W 20030612				

AB The novel active substance combination of trifloxystrobin and prothioconazole at a weight ratio of 1:0.02 to 1:20 has excellent fungicidal properties. Thus, trifloxystrobin + prothioconazole mixture at 54 + 46 g/ha synergistically controlled Leptosphaeria nodorum on wheat.

IT 596095-85-1  
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
(as synergistic fungicide)

RN 596095-85-1 CAPLUS

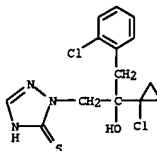
CH Benzenesacetic acid,  $\alpha$ -(methoxymino)-2-[[[E]-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (aE)-, mixt. with 2-[2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O 5

L4 ANSWER 59 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

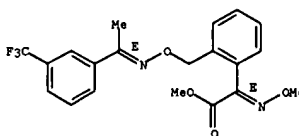
L4 ANSWER 60 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 141517-21-7  
CHF C20 H19 F3 N2 O4

Double bond geometry as shown.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 61 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2004:2595 CAPLUS  
 DOCUMENT NUMBER: 140:37412  
 TITLE: Synergistic fungicidal combinations of trifloxystrobin, prothioconazole, and tebuconazole  
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Mauler-Machnik, Astrid; Jautelat, Manfred; Holmwood, Graham  
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
 SOURCE: PCT Int. Appl., 19 pp.  
 CODEN: PIXXDZ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004/000020	A1	20031231	WO 2003-EP6107	20030611
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10228103	A1	20040115	DE 2002-10228103	20020624
AU 2003232851	A1	20040106	AU 2003-232851	20030611
BR 2003012041	A	20050329	BR 2003-12041	20030611
EP 1517609	A1	20050330	EP 2003-760603	20030611
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005530829	T2	20051013	JP 2004-514690	20030611
US 2006035942	A1	20060216	US 2005-518669	20050721
PRIORITY APPL. INFO.: DE 2002-10228103 A 20020624 WO 2003-EP6107 W 20030611				

AB A novel combination of fungicides comprises trifloxystrobin (I), prothioconazole (II), and tebuconazole (III) in the weight ratio of 1:(0.1-10):(0.1-10). Thus, I + II + III at 35 + 30 + 35 g/ha had a synergistic effect in control of Pyrenophora teres on barley. Said combination has very good fungicidal properties.

IT 635288-02-7  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (as synergistic fungicide)

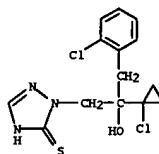
RN 635288-02-7 CAPLUS

CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[[[([E]-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino)oxy]methyl]-, methyl ester, (eE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and  $\alpha$ -(2-(4-chlorophenyl)ethyl)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1

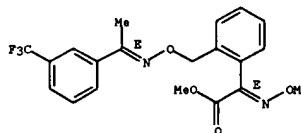
L4 ANSWER 61 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

L4 ANSWER 61 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 CRN 178928-70-6  
 CHF C14 H15 C12 N3 O S

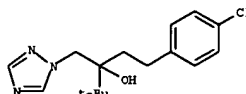


CH 2  
 CRN 141517-21-7  
 CHF C20 H19 F3 N2 O4

Double bond geometry as shown.

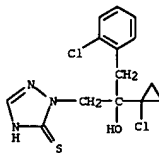


CH 3  
 CRN 107534-96-3  
 CHF C16 H22 Cl N3 O



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 62 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2003:921791 CAPLUS  
 DOCUMENT NUMBER: 140:212425  
 TITLE: Review on some new active structures and ideas on lead design  
 AUTHOR(S): Shang, Ercai  
 CORPORATE SOURCE: Shenyang Research Institute of Chemical Industry, Shenyang, 110021, Peop. Rep. China  
 SOURCE: Xiandai Nongyao (2003), 2(4), 1-2, 15  
 CODEN: XNIGEL ISSN: 1671-5284  
 PUBLISHER: Xiandai Nongyao Bianjibu  
 DOCUMENT TYPE: Journal/ General Review  
 LANGUAGE: Chinese  
 AB A review on the structure & activity of pyridalyi, spiromesifen, prothioconazole, etc. and discussion of ideas on lead design.  
 IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); FRP (Properties); BIOL (Biological study); USES (Uses)  
 (pesticidal structure activities and ideas on lead design)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



10521715, 7/18/06

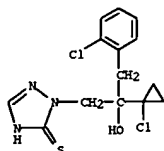
L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:875033 CAPLUS  
 DOCUMENT NUMBER: 139:334300  
 TITLE: Synergistic fungicidal mixtures comprising prothioconazole  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Schoeffl, Ulrich; Strathmann, Siegfried; Schelberger, Klaus; Christen, Thomas  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXX02  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003090538	A1	20031106	WO 2003-EP2845	20030319
WO 2003090538	C1	20041028		
W: AS, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GW, GQ, ML, MR, NE, SN, TD, TG				
CA 2479791	AA	20031106	CA 2003-2479791	20030319
AU 2003218790	A1	20031110	AU 2003-218790	20030319
EP 1489906	A1	20041229	EP 2003-712051	20030319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003008443	A	20050118	BR 2003-8443	20030319
US 2005148639	A1	20050707	US 2003-508208	20030319
CN 1642423	A	20050720	CN 2003-806657	20030319
JP 200527597	T2	20050915	JP 2003-587187	20030319
ZA 2004008485	A	20051020	ZA 2004-8485	20041020
PRIORITY APPLN. INFO.:				
DE 2002-10212704 A 20020321				
WO 2003-EP2845 W 20030319				

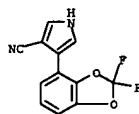
AB The invention relates to a fungicidal mixture that comprises prothioconazole or its salts or adducts and at least one further fungicidal composition, selected from compds. such as boscalid, carboxine, metrafenone, quinoxifen, dithianon, thiram, mequiat chloride, cyazofamid, fenoxanil, thiophanate Me, carbendazim, metalaxyl, fludioxonil, thiazendazole, quincetone, prochloraz or anthraquinone, in a synergistically effective amount

IT 215246-03-0 319920-19-9 345205-96-1  
 616235-45-1 616235-46-2, Prothioconazole-carboxin mixture  
 616235-47-3 616235-48-4 616235-49-5  
 616235-50-8 616235-51-9 616235-52-0  
 616235-53-1 616235-54-2 616235-55-3  
 616235-56-4 616235-57-5 616235-58-6  
 616235-59-7 616235-60-0 616235-61-1

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RL: AGA (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compn.)  
 RN 215246-03-0 CAPLUS  
 CN 1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S

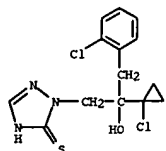


CH 2  
 CRN 131341-86-1  
 CMF C12 H6 F2 N2 O2

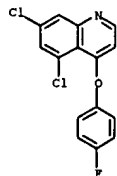


RN 319920-19-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5,7-dichloro-4-(4-fluorophenyl)quinoline (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S

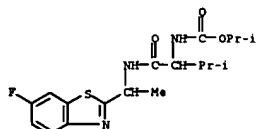
L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
 CRN 124495-18-7  
 CMF C15 H8 C12 F N O

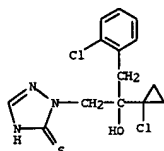


RN 345205-96-1 CAPLUS  
 CN Carbamic acid, 1-[[[1-(6-fluoro-2-benzothiazolyl)ethyl]amino]carbonyl]-2-methylpropyl]-, 1-methylethyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 345205-72-3  
 CMF C18 H24 F N3 O3 S

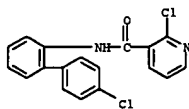


L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S



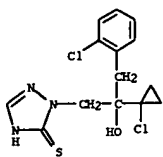
RN 616235-45-1 CAPLUS  
 CN 3-Pyridinecarboxamide, 2-chloro-N-(4'-chloro[1,1'-biphenyl]-2-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)  
 CH 1  
 CRN 188425-85-6  
 CMF C18 H12 C12 N2 O



CH 2  
 CRN 178928-70-6  
 CMF C14 H15 C12 N3 O S

10521715, 7/18/06

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

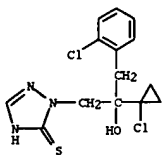


RN 616235-46-2 CAPLUS  
CN 1,4-oxathiazin-3-carboxamide, 5,6-dihydro-2-methyl-N-phenyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

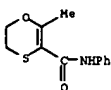
CMF C14 H15 C12 N3 O S



CH 2

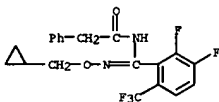
CRN 5234-68-4

CMF C12 H13 N O2 S



RN 616235-47-3 CAPLUS  
CN 3H-1,2,4-triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]- (9CI) (CA INDEX NAME)

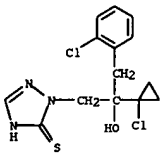
L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

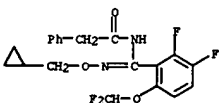


RN 616235-49-5 CAPLUS  
CN Benzeneacetamide, N-[[[(cyclopropylmethoxy)amino][6-(difluoromethoxy)-2,3-difluorophenyl]methylene]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 221201-92-9

CMF C20 H18 F4 N2 O3



CH 2

CRN 178928-70-6

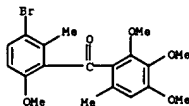
CMF C14 H15 C12 N3 O S

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
2-hydroxypropyl]-1,2-dihydro-, mixt. with [3-bromo-6-methoxy-2-methylphenyl] (2,3,4-trimethoxy-6-methylphenyl)methanone (9CI) (CA INDEX NAME)

CH 1

CRN 220899-03-6

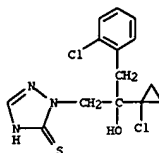
CMF C19 H21 Br O5



CH 2

CRN 178928-70-6

CMF C14 H15 C12 N3 O S



RN 616235-48-4 CAPLUS

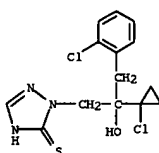
CN Benzeneacetamide, N-[[[(cyclopropylmethoxy)amino][2,3-difluoro-6-(trifluoromethyl)phenyl]methylene]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 180409-60-3

CMF C20 H17 F5 N2 O2

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



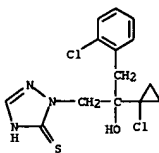
RN 616235-50-8 CAPLUS

CN Naphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile, 5,10-dihydro-5,10-dioxo-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

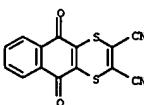
CMF C14 H15 C12 N3 O S



CH 2

CRN 3347-22-6

CMF C14 H4 N2 O2 S2



RN 616235-51-9 CAPLUS

CN Thioperoxydicarbonic diamide ([{(H2N)C(S)}]252), tetramethyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-1,2-dihydro-2-hydroxypropyl]-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

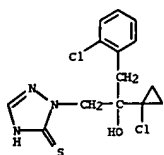
10521715, 7/18/06

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 1

CRN 178928-70-6

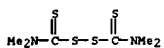
CMF C14 H15 C12 N3 O S



CH 2

CRN 137-26-8

CMF C6 H12 N2 S4



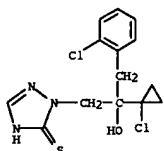
RN 616235-52-0 CAPLUS

CN Piperidinium, 1,1-dimethyl-, chloride, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

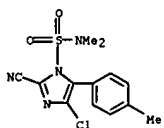
CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S



L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



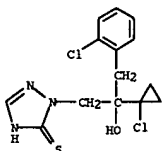
RN 616235-54-2 CAPLUS

CN Propanamide, N-(1-cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

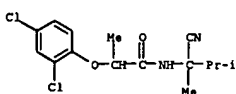
CMF C14 H15 C12 N3 O S



CH 2

CRN 115852-48-7

CMF C15 H18 C12 N2 O2



RN 616235-55-3 CAPLUS

CN Carbamic acid, [1,2-phenylenebis(iminocarbonothioyl)]bis-, dimethyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

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L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2

CRN 24307-26-4

CMF C7 H16 N . Cl



● Cl<sup>-</sup>

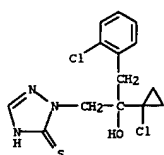
RN 616235-53-1 CAPLUS

CN 1H-Imidazole-1-sulfonamide, 4-chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S



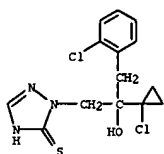
CH 2

CRN 120116-88-3

CMF C13 H13 Cl N4 O2 S

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

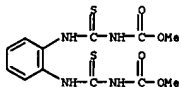
CMF C14 H15 C12 N3 O S



CH 2

CRN 23564-05-8

CMF C12 H14 N4 O4 S2



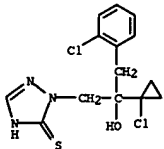
RN 616235-56-4 CAPLUS

CN Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

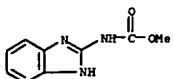


CH 2

CRN 10605-21-7

10521715, 7/18/06

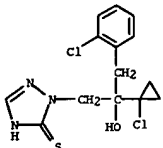
L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CHF C9 H9 N3 O2



RN 616235-57-5 CAPLUS  
CN Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

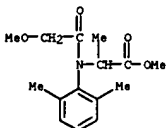
CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



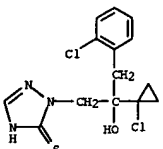
CH 2

CRN 57837-19-1  
CHF C15 H21 N O4



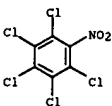
RN 616235-58-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

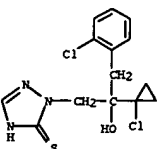
CRN 82-68-8  
CHF C6 C15 N O2



RN 616235-60-0 CAPLUS  
CN 1H-Imidazole-1-carboxamide, N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



CH 2

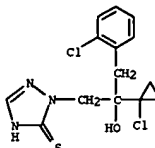
CRN 67747-09-5  
CHF C15 H16 Cl3 N3 O2

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L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
2-hydroxypropyl]-1,2-dihydro-, mixt. with 2-[4-thiazolyl]-1H-benzimidazole (9CI) (CA INDEX NAME)

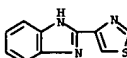
CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



CH 2

CRN 148-79-8  
CHF C10 H7 N3 S

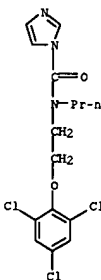


RN 616235-59-7 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with pentachloronitrobenzene (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

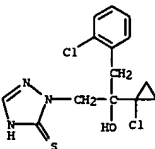
L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 616235-61-1 CAPLUS  
CN 9,10-Anthracenedione, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

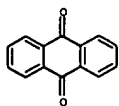


CH 2

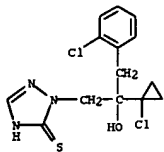
CRN 84-65-1  
CHF C14 H8 O2

10521715, 7/18/06

L4 ANSWER 63 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 178928-70-6D, Prothioconazole, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

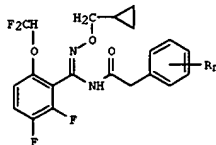


REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 64 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

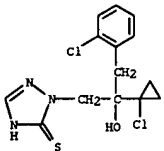
ACCESSION NUMBER: 2003:818206 CAPLUS  
 DOCUMENT NUMBER: 139:287645  
 TITLE: Synergistic fungicidal mixtures comprising benzamidoxime derivatives and azoles  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Scherer, Maria; Haden, Egon  
 PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany  
 SOURCE: PCT int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003084330	A1	20031016	WO 2003-EP3432	20030402
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2480701	AA	20031016	CA 2003-2480701	20030402
AU 2003229594	A1	20031020	AU 2003-229594	20030402
EP 1494531	A1	20050112	EP 2003-722384	20030402
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003008830	A	20050125	BR 2003-8830	20030402
US 2005148547	A1	20050707	US 2003-509797	20030402
CN 1646014	A	20050727	CN 2003-807862	20030402
JP 2005527568	T2	20050915	JP 2003-581587	20030402
PRIORITY APPL. INFO.:			DE 2002-10215145	A 20020405
			WO 2003-EP3432	W 20030402
OTHER SOURCE(S):		MARPAT 139:287645		
GI				



L4 ANSWER 64 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Synergistic fungicidal mixts. comprise benzamidoxime derivs. I (R = H, halo, alkyl, haloalkyl, alkoxy or haloalkoxy; n = 1-3) and any of 22 triazoles, such as bromconazole, cyproconazole, difenoconazole, diniconazole, epoxiconazole, fenbuconazole, fluquinconazole, flusilazole, hexaconazole, metconazole, prochloraz, etc.  
 IT 178928-70-6D, Prothioconazole, mixts. with benzamidoxime derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 65 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:737481 CAPLUS  
 DOCUMENT NUMBER: 139:241697  
 TITLE: Synergistic fungicidal mixtures based on prothioconazole and containing an insecticide  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Spadafora, V. James; Christen, Thomas  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT int. Appl., 17 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

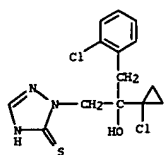
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003075653	A2	20030918	WO 2003-EP2191	20030304
WO 2003075653	A3	20031127		
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2478587	AA	20030918	CA 2003-2478587	20030304
AU 2003210408	A1	20030922	AU 2003-210408	20030304
EP 1484972	A2	20041215	EP 2003-743834	20030304
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003007936	A	20041221	BR 2003-7936	20030304
US 2005119229	A1	20050602	US 2003-506502	20030304
CN 1638635	A	20050713	CN 2003-805429	20030304
JP 2005526751	T2	20050908	JP 2003-573940	20030304
PRIORITY APPL. INFO.:			DE 2002-10210135	A 20020308
			WO 2003-EP2191	W 20030304

AB The invention relates to a fungicidal mixture containing prothioconazole, or the salts or adducts thereof, and at least one insecticide, selected from fipronil, chlorpyrifos or thiamethoxam, in a synergistically-affective quantity.

IT 178928-70-6D, Prothioconazole, mixts. with insecticides  
 599175-82-3 599175-83-4, Prothioconazole-fipronil mixture  
 599175-84-5 599175-85-6  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts. based on prothioconazole and containing an insecticide)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

10521715, 7/18/06

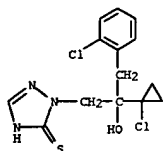
L4 ANSWER 65 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599175-82-3 CAPLUS  
CN Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester, mixt. with 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione and 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine (9CI) (CA INDEX NAME)

CH 1

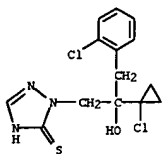
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

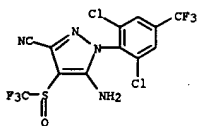
CRN 153719-23-4  
CHF C9 H10 C1 N5 O3 S

L4 ANSWER 65 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

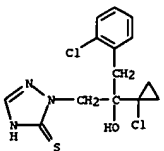
CRN 120068-37-3  
CHF C12 H4 C12 F6 N4 O S



RN 599175-84-5 CAPLUS  
CN Phosphorothioic acid, O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

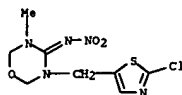
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

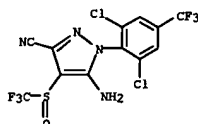
CRN 2921-88-2

L4 ANSWER 65 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



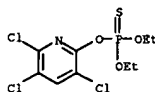
CH 3

CRN 120068-37-3  
CHF C12 H4 C12 F6 N4 O S



CH 4

CRN 2921-88-2  
CHF C9 H11 C13 N O3 P S

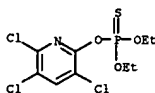


RN 599175-83-4 CAPLUS  
CN 1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

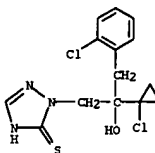
L4 ANSWER 65 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 599175-85-6 CAPLUS  
CN 4H-1,3,5-Oxadiazin-4-imine, 3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-N-nitro-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

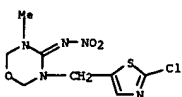
CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

CRN 153719-23-4  
CHF C8 H10 C1 N5 O3 S



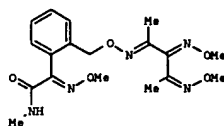
10521715, 7/18/06

L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2003:719226 CAPLUS  
 DOCUMENT NUMBER: 139:241670  
 TITLE: Synergistic fungicidal mixtures based on prothioconazole and a strobilurin derivative  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Spadafora, V. James; Christen, Thomas  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 22 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003073852	A2	20030912	WO 2003-EP1929	20030226
WO 2003073852	A3	20040926		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
KW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, EG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GM, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2477000	AA	20030912	CA 2003-2477000	20030226
AU 2003210354	A1	20030916	AU 2003-210354	20030226
EP 1482798	A2	20041208	EP 2003-743328	20030226
EP 1482798	B1	20060524		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 200307729	A	20050125	BR 2003-7729	20030226
US 2005101639	A1	20050512	US 2003-505440	20030226
CN 1638637	A	20050713	CN 2003-805056	20030226
JP 2005526735	T2	20050908	JP 2003-572386	20030226
EP 1642499	A2	20060405	EP 2005-26582	20030226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, SK				
DE 2002-10208838 A 20020301				
EP 2003-743328 A3 20030226				
WO 2003-EP1929 W 20030226				

GI

L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



AB Disclosed is a fungicidal mixture containing prothioconazole, or its salts or

adducts, and at least one addnl. fungicide, or salts or adducts thereof, selected among trifloxystrobin, picoxystrobin, pyraclostrobin, disomystrobin, and a strobilurin derivative I, in a synergistically active quantity.

IT 596095-85-1 596095-86-2 596095-87-3

596095-88-4 596095-89-5

RI: AGR (Agricultural use); BIOL (Biological study); USES (Uses)

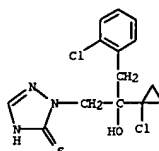
(synergistic fungicidal mixture)

RN 596095-85-1 CAPLUS  
 CN Benzenesacetic acid,  $\alpha$ -(methoxyimino)-2-[[[E]-[1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]-, methyl ester, (aE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CHF C14 H15 C12 N3 O S

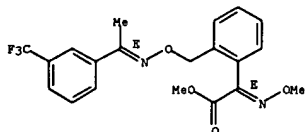


CH 2

CRN 141517-21-7

CHF C20 H19 F3 N2 O4

L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 Double bond geometry as shown.

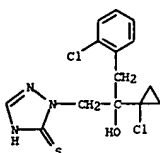


RN 596095-86-2 CAPLUS  
 CN Benzenesacetic acid,  $\alpha$ -(methoxymethylene)-2-[[[E]-[1-[3-(trifluoromethyl)phenyl]ethoxy]methyl]-, methyl ester, (aE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CHF C14 H15 C12 N3 O S

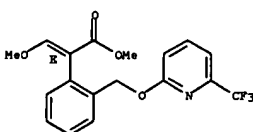


CH 2

CRN 117428-22-5

CHF C18 H16 F3 N O4

Double bond geometry as shown.



RN 596095-87-3 CAPLUS  
 CN Carbanic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-

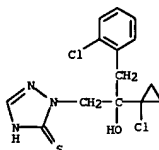
L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

yl]oxy]methyl]phenyl]methoxy-, methyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

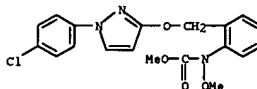
CHF C14 H15 C12 N3 O S



CH 2

CRN 175013-18-0

CHF C19 H18 C1 N3 O4



RN 596095-88-4 CAPLUS  
 CN Benzenesacetamide, 2-[(2,5-dimethylphenoxy)methyl]- $\alpha$ -(methoxyimino)-N-methyl-, (aE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

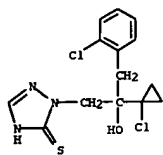
CH 1

CRN 178928-70-6

CHF C14 H15 C12 N3 O S

10521715, 7/18/06

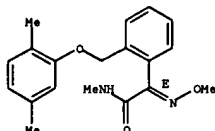
L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

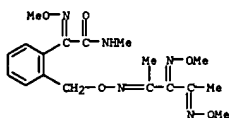
CRN 149961-52-4  
CMF C19 H22 N2 O3

Double bond geometry as shown.



CH 1

CRN 189892-69-1  
CMF C18 H25 N5 O5



L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:719225 CAPLUS  
DOCUMENT NUMBER: 139:241669  
TITLE: Synergistic fungicidal mixtures based on triazoles  
INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Scheibberger, Klaus; Spadafora, V. James; Christen, Thomas  
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 40 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

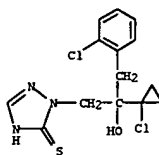
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003073851	A1	20030912	WO 2003-EP2188	20030304
W: AS, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CH, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2478098	AA	20030912	CA 2003-2478098	20030304
AU 2003206967	A1	20030916	AU 2003-206967	20030304
EP 1484975	A1	20041215	EP 2003-704704	20030304
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003007730	A	20050125	BR 2003-7730	20030304
CN 1638636	A	20050713	CN 2003-805430	20030304
US 2005165076	A1	20050728	US 2003-505964	20030304
JP 200526734	T2	20050908	JP 2003-572385	20030304
PRIORITY APPLN. INFO.:			DE 2002-1020937	A 20020307
			WO 2003-EP2188	W 20030304

AB The invention relates to synergistic fungicidal mixts. containing prothioconazole, or salts or adducts thereof, and at least one other triazole or salts or adducts thereof, selected from epoxiconazole, metconazole, propiconazole, fluquinconazole, penconazole, difenconazole, hexaconazole, cyproconazole, flusilazole, tetraconazole, fenbuconazole, myclobutanil, silaenazole, ipconazole and triticoconazole.  
IT 178928-70-6D, Prothioconazole, mixts. containing 596103-97-8  
596103-98-9 596103-99-0 596104-00-6  
596104-01-7 596104-02-8, Prothioconazole-difenoconazole mixture 596104-03-9 596104-04-0 596104-05-1  
596104-06-2 596104-07-3 596104-08-4  
596104-09-5 596104-10-8 596104-11-9  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal mixture)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

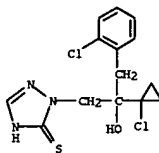
L4 ANSWER 66 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2

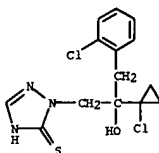
CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S



IT 178928-70-6D, Prothioconazole, mixts. containing  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal mixts.)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



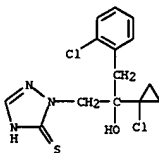
L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 596103-97-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CMF C14 H15 Cl2 N3 O S



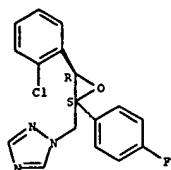
CH 2

CRN 133855-98-8  
CMF C17 H13 Cl F N3 O

Relative stereochemistry.

10521715, 7/18/06

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

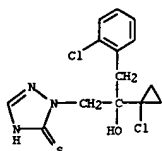


RN 596103-98-9 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

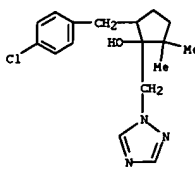


CH 2

CRN 125116-23-6

CMF C17 H22 C1 N3 O

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

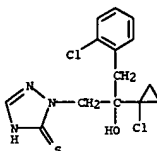


RN 596103-99-0 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

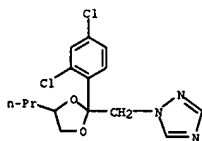


CH 2

CRN 60207-90-1

CMF C15 H17 C12 N3 O2

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

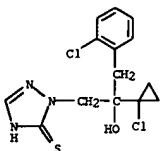


RN 596104-00-6 CAPLUS  
CN 4(3H)-Quinazolinone, 3-(2,4-dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

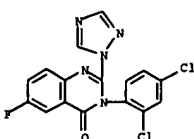
CMF C14 H15 C12 N3 O S



CH 2

CRN 136426-54-5

CMF C16 H9 C12 F N5 O



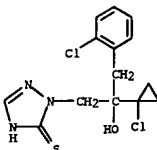
RN 596104-01-7 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

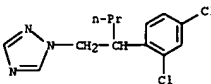
CMF C14 H15 C12 N3 O S



CH 2

CRN 66246-88-6

CMF C13 H15 C12 N3



RN 596104-02-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[[2-(2-chloro-4-(4-chlorophenoxy)phenyl)-4-methyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

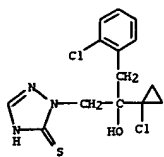
CH 1

CRN 178928-70-6

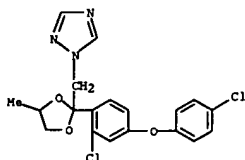
CMF C14 H15 C12 N3 O S

10521715, 7/18/06

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
CRN 119446-68-3  
CHF C19 H17 C12 N3 O3

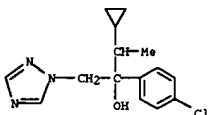


RN 596104-03-9 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with alpha-butyl-alpha-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

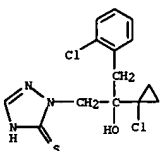
L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 94361-06-5  
CHF C15 H18 C1 N3 O

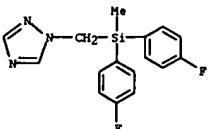


RN 596104-05-1 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

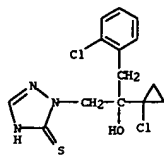


CH 2  
CRN 85509-19-9  
CHF C16 H15 F2 N3 S1

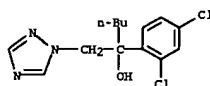


RN 596104-06-2 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

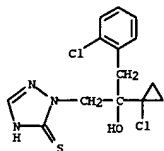


CH 2  
CRN 79983-71-4  
CHF C14 H17 C12 N3 O



RN 596104-04-0 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with alpha-(4-chlorophenyl)-alpha-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

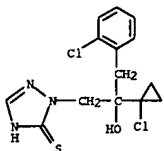
CH 1  
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



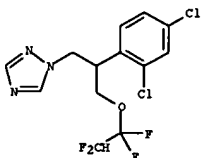
CH 2

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1H-1,2,4-triazole (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2  
CRN 112281-77-3  
CHF C13 H11 C12 F4 N3 O

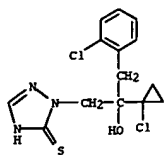


RN 596104-07-3 CAPLUS  
CN 1H-1,2,4-Triazole-1-propanenitrile, alpha-[2-(4-chlorophenyl)ethyl]-alpha-phenyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

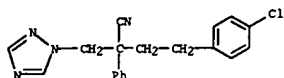
10521715, 7/18/06

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

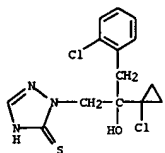
CRN 114369-43-6  
CHF C19 H17 Cl N4



RN 596104-09-4 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 2-[(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

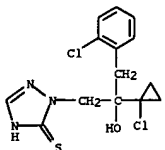


CH 2

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

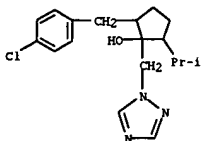
CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



CH 2

CRN 125225-28-7  
CHF C10 H24 Cl N3 O



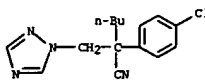
RN 596104-11-9 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-[(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

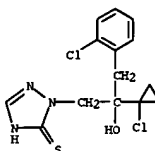
CRN 88671-89-0  
CHF C15 H17 Cl N4



RN 596104-09-5 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 2-[(4-fluorophenyl)-a-[(trimethylsilyl)methyl]-1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

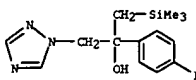
CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



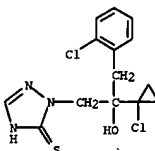
CH 2

CRN 149508-90-7  
CHF C14 H20 F N3 O Si



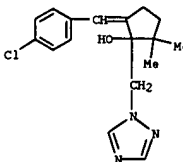
RN 596104-10-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-[(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol (9CI) (CA INDEX NAME)

L4 ANSWER 67 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 131983-72-7  
CHF C17 H20 Cl N3 O

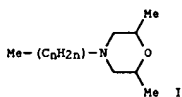


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

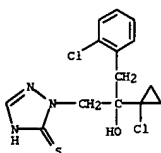
L4 ANSWER 68 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2003:719224 CAPLUS  
 DOCUMENT NUMBER: 139:241668  
 TITLE: Synergistic fungicidal mixtures based on prothioconazole  
 INVENTOR(S): Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Schelberger, Klaus; Spadafora, V. James; Christen, Thomas  
 PATENT ASSIGNER(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 27 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003073850	A1	20030912	WO 2003-EP1930	20030226
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, EC, EE, ES, FI, GB, GD, GE, GR, GM, GU, HK, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2478090	AA	20030912	CA 2003-2478090	20030226
AU 2003210355	A1	20030916	AU 2003-210355	20030226
EP 1482797	A1	20041208	EP 2003-743329	20030226
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003007912	A	20041221	BR 2003-7912	20030226
US 2005107376	A1	20050519	US 2003-505708	20030226
CN 1638634	A	20050713	CN 2003-805066	20030226
JP 2005526733	T2	20050908	JP 2003-572384	20030226
PRIORITY APPL. INFO.: DE 2002-1020841 A 20020301				
GI WO 2003-EP1930 W 20030226				



AB The title mixts. comprise prothioconazole, or its salts or adducts, and at least one addnl. fungicide or salts or adducts thereof, selected from fenpropimorph, tridemorph 1 (n = 10, 11, 12, (60 - 70 %) or 13) and

L4 ANSWER 68 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



CH 2

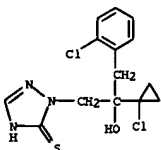
CRN 81412-43-3  
 CHF Unspecified  
 CCI MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 596096-82-1 CAPLUS  
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CH 1

CRN 178928-70-6  
 CHF C14 H15 C12 N3 O S



CH 2

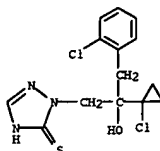
CRN 67306-00-7  
 CHF C19 H31 N

L4 ANSWER 68 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

RN fenpropidin.  
 CN 596096-79-6 596096-80-9 596096-82-1  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixture)  
 RN 596096-79-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with rel-(2R,6S)-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine (9CI) (CA INDEX NAME)

CH 1

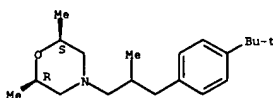
CRN 178928-70-6  
 CHF C14 H15 C12 N3 O S



CH 2

CRN 67564-91-4  
 CHF C20 H33 N O

Relative stereochemistry.

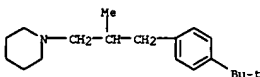


RN 596096-80-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with tridemorph (9CI) (CA INDEX NAME)

CH 1

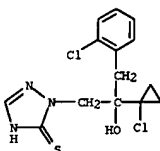
CRN 178928-70-6  
 CHF C14 H15 C12 N3 O S

L4 ANSWER 68 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



IT 178928-70-6D, Prothioconazole, mixts. containing  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal mixts.)

RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



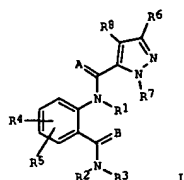
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 69 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:242097 CAPLUS  
 DOCUMENT NUMBER: 138:267201  
 TITLE: Pesticidal compositions for coating plant propagation material containing anthranilamides  
 INVENTOR(S): Berger, Richard Alan; Flexner, John Lindsey  
 PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA  
 SOURCE: PCT Int. Appl., 147 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003024222	A1	20030327	WO 2002-US30302	20020910
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GI, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2458163	AA	20030327	CA 2002-2458163	20020910
EP 1427285	A1	20040616	EP 2002-775972	20020910
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
BR 2002012993	A	20040817	BR 2002-12993	20020910
JP 2005502716	T2	20050127	JP 2003-528126	20020910
JP 3770495	B2	20060426		
NZ 532269	A	20051028	NZ 2002-532269	20020910
CN 1713819	A	20051228	CN 2002-818578	20020910
ZA 2004000413	A	20050120	ZA 2004-413	20040120
US 2004209923	A1	20041021	US 2004-485125	20040126
PRIORITY APPL. INFO.:			US 2001-323941P	P 20010921
			WO 2002-US30302	W 20020910
OTHER SOURCE(S):	MARPAT	138:267201		
GI				

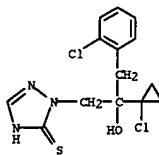
L4 ANSWER 69 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB An invertebrate pest control composition for coating a propagule comprises (1) a biol. effective amount of an anthranilamide compds. I (Markush included), an N-oxide thereof or an agriculturally suitable salt thereof, and (2) a film former or adhesive agent. Arthropodocidal composition containing anthranilamide compds. I may further comprise addnl. biol. active compds. selected from arthropodocides of the group consisting of pyrethroids, carbamates, neonicotinoids, neuronal sodium channel blockers, insecticidal macrocyclic lactones,  $\gamma$ -aminobutyric acid (GABA) antagonists, insecticidal ureas, and juvenile hormone mimics, and fungicides. The propagule is a seed of cotton, maize, soybean, rice, etc., or a rhizome, tuber, bulb or corn, or viable division thereof, of potato, sweet potato, garden onion, tulip, daffodil, crocus hyacinth, etc., or is a stem or leaf cutting.

IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (in pesticidal compns. for plant propagation material containing anthranilamides)

RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS

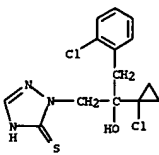
L4 ANSWER 69 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 70 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:175117 CAPLUS  
 DOCUMENT NUMBER: 139:2294  
 TITLE: JAU 6476 - a new dimension DMI fungicide  
 AUTHOR(S): Mauler-Machnik, A.; Rosslenbroich, H.-J.; Dutzmann, S.; Applegate, J.; Jautelat, M.  
 CORPORATE SOURCE: Bayer CropScience, Bayer AG, Monheim, D-40789, Germany  
 SOURCE: BCPC Conference--Pests & Diseases (2002), (Vol. 1), 389-394  
 CODEN: BCDCAE  
 PUBLISHER: British Crop Protection Council  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB JAU 6476 (prothioconazole) is a novel broad-spectrum fungicide. It belongs to the new chemical class of triazolinthiones discovered and developed by Bayer AG. The common name for this mol. is prothioconazole. JAU 6476 is a systemic fungicide showing excellent efficacy against a broad range of diseases in different crops. In wheat and barley this new dimension DMI fungicide provides outstanding control of eyespot (Pseudocercospora herpotrichoides), Fusarium ear blight (Fusarium spp., Microdochium nivale), leaf blotch diseases (Septoria tritici, Leptosphaeria nodorum, Pyrenophora spp., Rhynchosporium secalis etc.), rust (Puccinia spp.) and powdery mildew (Blumeria graminis). JAU 6476 can be applied as a straight product and is also an ideal mixing partner for other compds. Applied as a seed treatment, JAU 6476 shows very good activity against important seed- and soilborne diseases (Ustilago spp., Tilletia spp., Fusarium spp., Microdochium nivale). Prothioconazole combines excellent activity, crop safety and a favorable toxicol. and environmental profile with an overall excellent tech. performance to guarantee high quality yields.

IT 178928-70-6, Prothioconazole  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)  
 (broad-spectrum fungicide)

RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 71 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:175114 CAPLUS  
 DOCUMENT NUMBER: 138:64766  
 TITLE: HEC5725: a novel leaf-systemic strobilurin fungicide  
 AUTHOR(S): Dutzmann, S.; Mauler-Machnik, A.; Kerz-Moehlendick, F.; Applegate, J.; Heinemann, U.  
 CORPORATE SOURCE: Bayer CropScience, Bayer A.-G., Monheim, D-40789, Germany  
 SOURCE: BCPC Conference--Pests & Diseases (2002), (Vol. 1), 365-370  
 CODEN: BCDCAE  
 PUBLISHER: British Crop Protection Council  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB HEC5725 (fluoxastrobin) is a leaf-systemic broad-spectrum fungicide from the chemical class of dihydro-dioxazines currently being developed for use mainly in cereal crops. The compound provides both a rapid initial effect and prolonged activity due to its protective and leaf systemic properties. Applied as a foliar spray in cereals, HEC5725 provides excellent control of Septoria leaf spot (Septoria tritici), Septoria leaf and glume blotch (Leptosphaeria nodorum), rust (Puccinia recondita, P. striiformis, P. hordei), Helminthosporium diseases in wheat and barley (Pyrenophora tritici-repentis, Pyrenophora teres) as well as scald (Rhynchosporium secalis) and powdery mildew (Blumeria graminis spp.). Furthermore, seed and soil-borne diseases like snow mold (Monographella nivalis) and common bunt (Tilletia caries) are also efficiently controlled, when HEC5725 is used as a seed treatment. Mixts. of HEC5725 with selected fungicides, such as prothioconazole, often result in an increased biol. activity against these diseases. HEC5725 has a favorable regulatory profile.  
 IT 552300-14-9, Fluoxastrobin-Prothioconazole mixture  
 RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 RN (synergistic combinations of HEC5725 (fluoxastrobin) fungicide)  
 CN 552300-14-8 CAPLUS  
 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl][5,6-dihydro-1,4,2-dioxazin-3-yl]methanone O-methylloxime (9CI) (CA INDEX NAME)

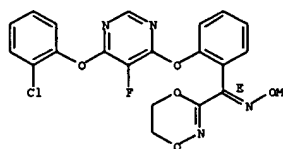
CH 1

CRN 361377-29-9

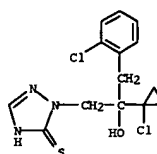
CHF C21 H16 Cl F N4 O5

Double bond geometry as shown.

L4 ANSWER 71 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

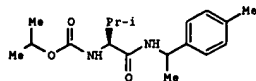
CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O 5

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 72 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:170359 CAPLUS  
 DOCUMENT NUMBER: 138:182496  
 TITLE: Synergistic fungicidal compositions containing a valineamide derivative  
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Seitz, Thomas  
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany  
 SOURCE: Ger. Offen., 42 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10141618	A1	20030306	DE 2001-10141618	20010824
CA 2457483	AA	20030306	CA 2002-2457483	20020812
WO 2003017760	A2	20030306	WO 2002-EP9000	20020812
WO 2003017760	A3	20040812		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LX, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZH, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
BR 2002012075	A	20040928	BR 2002-12075	20020812
EP 1463410	A2	20041006	EP 2002-796165	20020812
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1610504	A	20050427	CN 2002-816434	20020812
JP 200524603	T2	20050818	JP 2003-522296	20020812
ZA 2004001401	A	20050511	ZA 2004-1401	20040220
US 2004248955	A1	20041209	US 2004-487188	20040806
PRIORITY APPLN. INFO.:				
DE 2001-10141618 A 20010824				
WO 2002-EP9000 W 20020812				

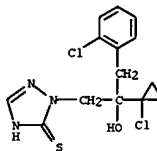
GI



AB Synergistic fungicidal compns. contain the valineamide derivative I and any of  
 of a large number of known fungicides.  
 IT 499785-22-7  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)  
 RN 499785-22-7 CAPLUS  
 CN Carbanic acid, ([1S]-2-methyl-1-[[[1-(4-methylphenyl)ethyl]amino]carbonyl]

L4 ANSWER 72 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 propyl]-1-methylethyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

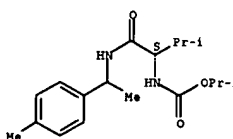
CH 1

CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O 5

CH 2

CRN 140923-17-7  
CHF C18 H28 N2 O3

Absolute stereochemistry.



10521715, 7/18/06

L4 ANSWER 73 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:695690 CAPLUS  
 DOCUMENT NUMBER: 137:212313  
 TITLE: Seed dressing compositions containing gibberellins and azole fungicides  
 INVENTOR(S): Mauler-Machnik, Astrid; Seidel, John  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXKD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

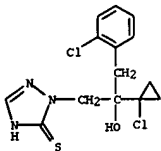
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002069715	A2	20020912	WO 2002-EP1825	20020221
WO 2002069715	A3	20030320		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10137781 A1 20020912 DE 2001-10137781 A 20010802  
 PRIORITY APPLN. INFO.: DE 2001-10110639 A 20010306  
 DE 2001-10137781 A 20010802

OTHER SOURCE(S): MARPAT 137:212313  
 AB The invention relates to novel active ingredient combinations made from at least one gibberellin (gibberellin A1, A3 A4, A7) and an azole or guanidine fungicide. The combinations are better tolerated by seedlings than their constituents and are seedling emergence stimulants.  
 IT 178928-70-6D, mixts. with gibberellins  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (seed dressing compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 74 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:555272 CAPLUS  
 DOCUMENT NUMBER: 137:105160  
 TITLE: Synergistic fungicide mixtures  
 INVENTOR(S): Mueller, Bernd; Rose, Ingo; Ammermann, Eberhard; Stierl, Reinhard; Lorenz, Gisela; Strathmann, Siegfried; Scherer, Maria; Schelberger, Klaus; Leyendecker, Joachim; Haden, Egon  
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXKD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002056686	A1	20020725	WO 2002-EP411	20020117

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2434684 AA 20020725 CA 2002-2434684 20020117  
 EP 1353554 A1 20031022 EP 2002-710012 20020117  
 EP 1353554 B1 20040630

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

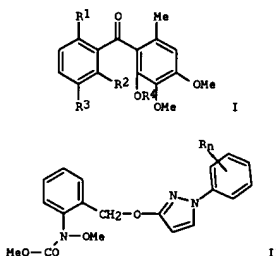
EE 200300337 A 20031215 EE 2003-337 20020117  
 BR 2002006494 A 20040106 BR 2002-6494 20020117  
 AT 270041 E 20040715 AT 2002-710012 20020117  
 JP 2004521887 T2 20040722 JP 2002-557205 20020117  
 PT 1353554 T 20041130 PT 2002-710012 20020117  
 ES 2224051 T3 20050301 ES 2002-2710012 20020117  
 NZ 527419 A 20050429 NZ 2002-527419 20020117  
 BG 107964 A 20040227 BG 2003-107964 20030702  
 US 2004077700 A1 20040422 US 2003-466168 20030714  
 ZA 2003006358 A 20040830 ZA 2003-6358 20030815

PRIORITY APPLN. INFO.: DE 2001-10102279 A 20010119  
 DE 2001-10123734 A 20010515  
 WO 2002-EP411 W 20020117

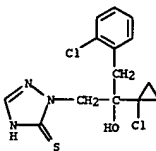
OTHER SOURCE(S): MARPAT 137:105160  
 GI

L4 ANSWER 73 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 74 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title mixts. comprise a benzophenone I (R1 = Cl, Me, AcO, pivaloxyloxy or OH; R2 = Cl or Ne; R3 = H, halo or Me; R4 = alkyl, benzyl, halobenzyl or methylbenzyl) a carbamate II (R = halo, alkyl or haloalkyl; n = 1 or 2) and an azole derivative, such as epoxiconazole, metconazole, propiconazole or tebuconazole.  
 IT 178928-70-6D, mixts. with benzophenone ans carbamate derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicide mixture)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

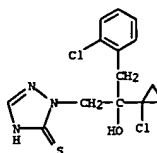
10521715, 7/18/06

L4 ANSWER 75 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:428626 CAPLUS  
 DOCUMENT NUMBER: 137:193  
 TITLE: Synergistic fungicidal compositions containing neem extract  
 INVENTOR(S): Baron, Gerhard; Kilian, Michael; Rosenfeldt, Frank  
 PATENT ASSIGNER(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 19 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002043495	A1	20020606	WO 2001-EP13339	20011119
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10059605	A1	20020606	DE 2000-10059605	20001201
AU 2002020713	A5	20020611	AU 2002-20713	20011119
EP 1339287	A1	20030903	EP 2001-998147	20011119
EP 1339287	B1	20060607		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004047928	A1	20040311	US 2003-432756	20030527
US 6884798	B2	20050426		

PRIORITY APPLN. INFO.: DE 2000-10059605 A 20001201  
 WO 2001-EP13339 W 20011119  
 AB The title fungicidal compns. comprise neem seed exts. and any of 13 known fungicides.  
 IT 178928-70-6D, mixture with neem extract  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 75 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



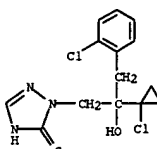
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 76 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:23365 CAPLUS  
 DOCUMENT NUMBER: 136:320810  
 TITLE: Synergistic insecticidal, fungicidal and acaricidal mixtures  
 INVENTOR(S): Fischer, Reiner; Wachendorff-Neumann, Ulrike  
 PATENT ASSIGNER(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 79 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002030199	A1	20020418	WO 2001-EP11126	20010926
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10049804	A1	20020418	DE 2000-10049804	20001009
AU 2002013967	A5	20020422	AU 2002-13967	20010926
EP 1326495	A1	20030716	EP 2001-982360	20010926
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001014491	A	20031014	BR 2001-14491	20010926
JP 2004510793	T2	20040408	JP 2002-533652	20010926
US 2004102326	A1	20040527	US 2003-398265	20030403

PRIORITY APPLN. INFO.: DE 2000-10049804 A 20001009  
 WO 2001-EP11126 W 20010926  
 OTHER SOURCE(S): MARPAT 136:320810  
 AB The title mixts. comprise known cyclic ketoenole (Markush given) and any of 55 known insecticides, fungicides or acaricides, such as fluquinconazole, tebuconazole, bitertanol, triadimenol, triadimefon, difenoconazole, flusilazole, prochloraz, penconazole, etc.  
 IT 178928-70-6D, mixts. with cyclic ketoenol derivs.  
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)  
 (synergistic pesticidal mixts.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 76 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



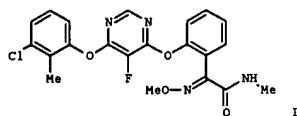
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 77 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:833001 CAPLUS  
 DOCUMENT NUMBER: 135:354166  
 TITLE: Synergistic fungicide mixtures  
 INVENTOR(S): Mauler-Machnik, Astrid; Wachendorff-Neumann, Ulrike;  
 Gayer, Herbert  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 151 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001084931	A1	20011115	WO 2001-EP4844	20010430
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10103832	A1	20011115	DE 2001-10103832	20010129
CA 2408221	AA	20011115	CA 2001-2408221	20010430
EP 1289366	A1	20030312	EP 2001-951466	20010430
EP 1289366	B1	20040630		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001010699	A	20030318	BR 2001-10699	20010430
JP 2003532654	T2	20031105	JP 2001-581607	20010430
AT 270043	E	20040715	AT 2001-951466	20010430
NZ 522498	A	20040827	NZ 2001-522498	20010430
PT 1289366	T	20041130	PT 2001-951466	20010430
ES 2223893	T3	20050301	ES 2001-1951466	20010430
ZA 2002008114	A	20031009	ZA 2002-8114	20021009
US 2003229087	A1	20031211	US 2002-275500	20021106
PRIORITY APPLN. INFO.:				
DE 2000-10022951 A 20000511				
DE 2001-10103832 A 20010129				
WO 2001-EP4844 W 20010430				

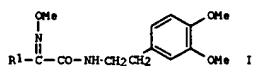
GI



L4 ANSWER 78 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:780351 CAPLUS  
 DOCUMENT NUMBER: 135:299954  
 TITLE: Fungicidal compositions comprising methoxyiminoacetamide derivatives.  
 INVENTOR(S): Wachendorff-Neumann, Ulrike; Seitz, Thomas; Gayer, Herbert; Heinemann, Ulrich; Krueger, Bernd-Wieland; Kraemer, Wolfgang; Assmann, Lutz  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 40 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10019758	A1	20011025	DE 2000-10019758	20000420
WO 2001080641	A2	20011101	WO 2001-EP4042	20010409
WO 2001080641	A3	20020328		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1276375	A2	20030122	EP 2001-933807	20010409
EP 1276375	B1	20050720		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001010116	A	20030211	BR 2001-10116	20010409
JP 2003531154	T2	20031021	JP 2001-577751	20010409
AT 259649	E	20050815	AT 2001-933807	20010409
PT 1276375	T	20051130	PT 2001-933807	20010409
ES 2243496	T3	20051201	ES 2001-1933807	20010409
RU 2265331	C2	20051210	RU 2002-131167	20010409
ZA 2002007474	A	20030918	ZA 2002-7474	20020918
US 2003158151	A1	20030821	US 2002-257740	20021016
US 6787567	B2	20040907		
US 2004266850	A1	20041230	US 2004-840907	20040507
PRIORITY APPLN. INFO.:				
DE 2000-10019758 A 20000420				
WO 2001-EP4042 W 20010409				
US 2002-257740 A3 20021016				

OTHER SOURCE(S): MARPAT 135:299954  
 GI



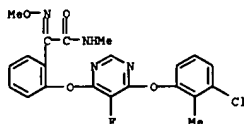
AB Fungicidal compns. comprise methoxyiminoacetamide derivs. I (R1 = fluorine-, chlorine-, bromine-, Me-, Et-, Pr- iso-Pr, Bu-, iso-Bu-,

L4 ANSWER 77 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Mixts. of the pyrimidine derivative I and any of 82 known fungicides are synergistic.  
 IT 373366-91-7  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicide)  
 RN 373366-91-7 CAPLUS  
 CN Benzeneacetamide, 2-[[6-(3-chloro-2-methylphenoxy)-5-fluoro-4-pyrimidinyl]oxy]-N-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

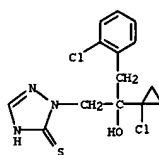
CH 1

CRN 345206-00-0  
 CMF C21 H18 Cl F N4 O4



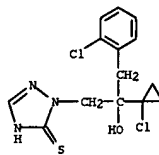
CH 2

CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 78 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 test-Bu-, methoxy-, ethoxy- or phenoxy-substituted or unsubstituted Ph, 2-naphthyl, 1,2,3,4-tetrahydronaphthyl, indanyl, 2-benzofuranyl, 2-benzothienyl, 2-thienyl or 2-furanyl) and any of known 58 fungicides.  
 IT 178928-70-6D, mixts. with methoxyiminoacetamide derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (fungicidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

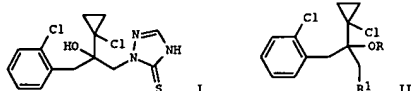


10521715, 7/18/06

L4 ANSWER 79 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2001:472693 CAPLUS  
 DOCUMENT NUMBER: 135:61339  
 TITLE: Method for production of a triazolinethione derivative  
 INVENTOR(S): Rupperts, Achim; Ruther, Michael; Jautelat, Manfred  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 29 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001046158	A1	20010628	WO 2000-EP12494	20001208
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19961603	A1	20010628	DE 1999-19961603	19991221
AU 2001031565	A5	20010703	AU 2001-31565	20001208
EP 1242388	A1	20020925	EP 2000-991158	20001208
EP 1242388	B1	20030723		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003518104	T2	20030603	JP 2001-547069	20001208
AT 245633	E	20030815	AT 2000-991158	20001208
ES 2200988	T3	20040316	ES 2000-991158	20001208
TW 523509	B	20030311	TW 2000-89127308	20001220
ZA 2002003859	A	20030515	ZA 2002-3859	20020515
US 2003013890	A1	20030116	US 2002-149933	20020614
US 6559317	B2	20030506		

PRIORITY APPLN. INFO.: DE 1999-19961603 A 19991221  
 WO 2000-EP12494 W 20001208  
 OTHER SOURCE(S): CASREACT 135:61339  
 GI



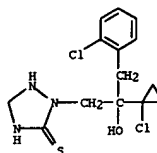
AB The triazolinethione I was prepared by treating the oxirane II [R1 = bond] with N2H4 in PhMe, followed by treatment with HCl to give II [R = H, R1 =

L4 ANSWER 80 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 2001:449715 CAPLUS  
 DOCUMENT NUMBER: 135:42256  
 TITLE: Synergistic fungicidal compositions.  
 INVENTOR(S): Wachendorf-Neumann, Ulrike; Gayer, Herbert; Heinemann, Ulrich; Seitz, Thomas; Krueger, Bernd-Wieland; Kraemer, Wolfgang; Assmann, Lutz  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 58 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

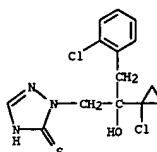
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10021412	A1	20010621	DE 2000-10021412	20000503
CA 2393988	AA	20010621	CA 2000-2393988	20001130
WO 2001044215	A2	20010621	WO 2000-EP11989	20001130
WO 2001044215	A3	20011206		
V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001021641	A5	20010625	AU 2001-21641	20001130
BR 2000016336	A	20020827	BR 2000-16336	20001130
EP 1239733	A2	20020918	EP 2000-985119	20001130
EP 1239733	B1	20030702		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
TR 200201544	T2	20021121	TR 2002-1544	20001130
JP 2003516979	T2	20030520	JP 2001-544705	20001130
AT 243933	E	20030715	AT 2000-985119	20001130
NZ 519460	A	20031128	NZ 2000-519460	20001130
PT 1239733	T	20031128	PT 2000-985119	20001130
ES 2197124	T3	20040101	ES 2000-985119	20001130
CN 1547911	A	20041124	CN 2004-1004697	20001130
TW 590741	B	20040611	TW 2000-89126400	20001212
ZA 2002003650	A	20020508	ZA 2002-3650	20020508
US 2003105146	A1	20030605	US 2002-149353	20020607
US 6624183	B2	20030923		
US 2004029840	A1	20040212	US 2003-619730	20030715
PRIORITY APPLN. INFO.: DE 1999-19959947 A1 19991213 DE 2000-10021412 A 20000503 WO 2000-EP11989 W 20001130				

OTHER SOURCE(S): MARPAT 135:42256  
 GI

L4 ANSWER 79 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 NHDH2.HCl] which was neutralized with NaOH and treated with CH2O, followed by NaSCN to form the triazolidinethione, which was dehydrogenated by treatment with FeCl3 in PhMe-EtOH to give I.  
 IT 222408-90-4P  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PRP (Preparation); RACT (Reactant or reagent)  
 (production of a triazolinethione derivative)  
 RW 222408-90-4 CAPLUS  
 CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]- (9CI) (CA INDEX NAME)

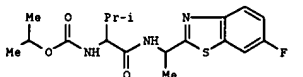


IT 178928-70-6P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (production of a triazolinethione derivative)  
 RW 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

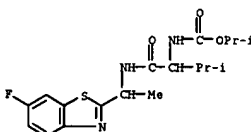
L4 ANSWER 80 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



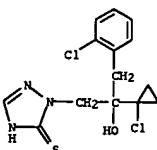
AB The title compns. comprise the fluorobenzoisothiazole derivative I and any of many known fungicides.

IT 345205-96-1  
 RL: AGR (Agricultural use); BIOL (Biological study); USRS (Uses)  
 (synergistic fungicidal composition)  
 RW 345205-96-1 CAPLUS  
 CN Carbanic acid, [1-[[[1-(6-fluoro-2-benzothiazolyl)ethyl]amino]carbonyl]-2-methylpropyl]-, 1-methylethyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
 CRN 345205-72-3  
 CMP C18 H24 F N3 O3 S



CH 2  
 CRN 178928-70-6  
 CMP C14 H15 C12 N3 O S

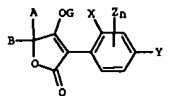


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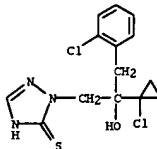
L4 ANSWER 80 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 81 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:262332 CAPLUS  
 DOCUMENT NUMBER: 134:262332  
 TITLE: Fungicidal and acaricidal compositions  
 INVENTOR(S): Fischer, Reiner; Wachendorff-Neumann, Ulrike  
 PATENT ASSIGNEE(S): Bayer AG, Germany  
 SOURCE: Ger. Offen., 22 pp.  
 CODEN: GWXXEX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19948590	A1	20010412	DE 1999-19948590	19991008
PRIORITY APPLN. INFO.: DE 1999-19948590 19991008				
OTHER SOURCE(S): MARPAT 134:262332				
GI				



AB The title compns. comprise cyclic ketoenones I (X = halo, (halo)alkyl or alkoxy; Y = H or X; Z = halo, alkyl or alkoxy; n = 0-3; A, B = H, (halo)alkyl, (halo)alkenyl, etc.; ACB = ring; G = H, COR, etc.; R = (halo)alkyl, (halo)alkenyl, (halo)alkoxyalkyl, etc.) and any of 54 known fungicides.  
 IT 178928-70-6D, mixts. with cyclic ketoenones  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (fungicidal and acaricidal compns.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (SCI) (CA INDEX NAME)



L4 ANSWER 81 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 82 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2001:63762 CAPLUS  
 DOCUMENT NUMBER: 134:96634  
 TITLE: Synergistic fungicidal mixtures containing quinoxifen  
 INVENTOR(S): Dutzmann, Stefan; Stenzel, Klaus; Mauler-Machnik, Astrid; Wachendorff-Neumann, Ulrike  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 25 pp.  
 CODEN: PIXXDZ  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005228	A2	20010125	WO 2000-EP6470	20000707
WO 2001005228	A3	20010602		
W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, BG, BR, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, HR, NE, SN, TD, TG				
DE 19933938	A1	20010125	DE 1999-19933938	19990720
BR 2000012573	A	20020416	BR 2000-12573	20000707
EP 1202627	A2	20020508	EP 2000-945897	20000707
EP 1202627	B1	20030618		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
EP 1247452	A2	20021009	EP 2002-14967	20000707
EP 1247452	A3	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003504382	T2	20030204	JP 2001-510306	20000707
AT 242967	K	20030715	AT 2000-945897	20000707
PT 1202627	T	20031128	PT 2000-945897	20000707
ES 2195918	T3	20031216	ES 2000-945897	20000707
ZA 2001010383	A	20021219	ZA 2001-10383	20011219
US 6620822	B1	20030916	US 2002-31175	20020116
PRIORITY APPLN. INFO.: DE 1999-19933938 A 19990720				
EP 2000-945897 A3 20000707				
WO 2000-EP6470 W 20000707				

AB The title mixts. comprise quinoxifen and a triazine derivative, tolylfuanid, propineb, fenhexamid, iprovalicarb, etc.  
 IT 319920-19-9  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal composition)  
 RN 319920-19-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 5,7-dichloro-4-(4-fluorophenyl)quinoline (SCI) (CA INDEX NAME)

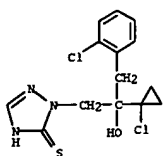
CM 1

CRN 178928-70-6

CMP C14 H15 C12 N3 O S

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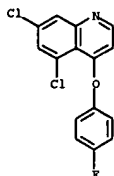
L4 ANSWER 82 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 124495-18-7

CHF C15 H9 Cl2 F N O



L4 ANSWER 83 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

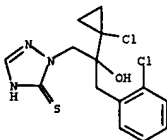
(Preparation); USES (Uses)

(prepn. of microbicide (-)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazole-3-thione via enantiomer sepn. on a chiral column)

RN 303048-98-8 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, (-)- (9CI) (CA INDEX NAME)

Rotation (-).



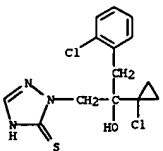
IT 178928-70-6

RL: MSC (Miscellaneous)

(preparation of microbicide (-)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazole-3-thione via enantiomer separation on a chiral column)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, (-)- (9CI) (CA INDEX NAME)



IT 303048-99-9P

RL: PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)

(preparation of microbicide (-)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazole-3-thione via enantiomer separation on a chiral column)

RN 303048-99-9 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, (+)- (9CI) (CA INDEX NAME)

Rotation (+).

L4 ANSWER 83 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:756687 CAPLUS

DOCUMENT NUMBER: 133:321885

TITLE: Preparation of microbicide (-)-2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazole-3-thione via enantiomer separation on a chiral column.

INVENTOR(S): Grosser, Rolf; Jautelat, Manfred; Mauler-machnik, Astrid; Duttmann, Stefan; Hanssler, Gerd; Stenzel, Klaus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

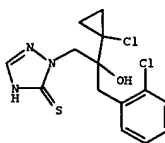
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000063188	A1	20001026	WO 2000-EP3066	20000406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19917617	A1	20001026	DE 1999-19917617	19990419
CA 2367361	AA	20001026	CA 2000-2367361	20000406
BR 2000009844	A	20020108	BR 2000-9844	20000406
EP 1173425	A1	20020123	EP 2000-926822	20000406
EP 1173425	B1	20050720		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542236	T2	20021210	JP 2000-612280	20000406
NZ 514859	A	20030131	NZ 2000-514859	20000406
AU 768630	B2	20031218	AU 2000-45441	20000406
RU 2238270	C2	20041020	RU 2001-131107	20000406
AT 299869	E	20050815	AT 2000-926822	20000406
PT 1173425	T	20051031	PT 2000-926822	20000406
ES 2243262	T3	20051201	ES 2000-926822	20000406
ZA 2001007519	A	20020912	ZA 2001-7519	20010912
PRIORITY APPLN. INFO.: DE 1999-19917617 A 19990419				
WO 2000-EP3066 W 20000406				
AB (-)-2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-[1,2,4]-triazole-3-thione (I) was prepared by chromatog. of the racemate on a chiral stationary phase prepared from N-methacryloyl-L-leucine 3-(2,4-dimethylpentyl)amide on silica using Et acetate as eluant at 20-25°. I prepared as above at 125 g/ha gave 75% control of Cochliobolus sativus on barley, vs. 59% control for the racemate.				
IT 303048-98-8P				
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); SPN (Synthetic preparation); BIOL (Biological study); PREP				

L4 ANSWER 83 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

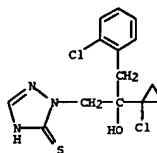
L4 ANSWER 84 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:420904 CAPLUS  
 DOCUMENT NUMBER: 133:27667  
 TITLE: Pesticide formulations  
 INVENTOR(S): Rochling, Andreas; Suty, Anne; Reizlein, Karl;  
 Reckmann, Udo  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 35 pp.  
 CODEN: PIXKD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035278	A1	20000622	WO 1999-EP9528	19991206
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19857963	A1	20000621	DE 1998-19857963	19981216
TW 225773	B1	20050101	TW 1999-88120935	19991201
CA 2355264	AA	20000622	CA 1999-2355264	19991206
BR 9916192	A	20010904	BR 1999-16192	19991206
EP 1139739	A1	20011010	EP 1999-958168	19991206
EP 1139739	B1	20020911		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101715	T2	20020422	TR 2001-200101715	19991206
AT 223646	E	20020915	AT 1999-958168	19991206
JP 2002532391	T2	20021002	JP 2000-587607	19991206
AU 753844	B2	20021031	AU 2000-15593	19991206
PT 1139739	T	20030131	PT 1999-958168	19991206
ES 2180336	T3	20030201	ES 1999-958168	19991206
RU 2230455	C2	20040620	RU 2001-119455	19991206
ZA 2001003949	A	20020515	ZA 2001-3949	20010515
US 6602823	B1	20030805	US 2001-857784	20010608
PRIORITY APPLN. INFO.:			DE 1998-19857963	A 19981216
			WO 1999-EP9528	W 19991206

AB Formulations comprise: (a) pesticide(s); (b) 2-ethylhexanol alkoxylate BuCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>O(CH<sub>2</sub>CH<sub>2</sub>MeO)<sub>8</sub>(CH<sub>2</sub>CH<sub>2</sub>O)<sub>6</sub>H; and (c) optional additives.  
 IT 178928-70-6  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (formulations of)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 84 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

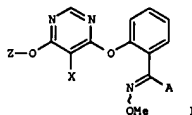
L4 ANSWER 85 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:349202 CAPLUS  
 DOCUMENT NUMBER: 132:344443  
 TITLE: Synergistic fungicidal compositions.  
 INVENTOR(S): Mauler-Machnik, Astrid; Wachendorf-Neumann, Ulrike;  
 Gayer, Herbert  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 18 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

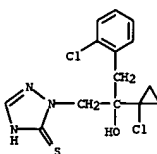
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19939841	A1	20000525	DE 1999-19939841	19990823
CA 2351500	AA	20000602	CA 1999-2351500	19991108
WO 2000030440	A2	20000602	WO 1999-EP8558	19991108
WO 2000030440	A3	20000831		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000010460	A5	20000613	AU 2000-10460	19991108
AU 752441	B2	20020919		
BR 9915518	A	20010717	BR 1999-15518	19991108
EP 1130963	A2	20010912	EP 1999-953975	19991108
EP 1130963	B1	20050302		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
TR 200101379	T2	20011121	TR 2001-200101379	19991108
TR 200103810	T2	20020621	TR 2001-200103810	19991108
TR 200103811	T2	20020621	TR 2001-200103811	19991108
JP 2002530297	T2	20020917	JP 2000-583338	19991108
EP 1506711	A2	20050216	EP 2004-24463	19991108
EP 1506711	A3	20050427		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
AT 289750	E	20050315	AT 1999-953975	19991108
PT 1130963	T	20050630	PT 1999-953975	19991108
ES 2238853	T3	20050901	ES 1999-953975	19991108
TW 521994	B	20030301	TW 1999-88119807	19991115
US 6559136	B1	20030506	US 2001-856023	20010516
US 2003161896	A1	20030828	US 2003-371770	20030221
PRIORITY APPLN. INFO.:			DE 1998-19853559	A1 19981120
			DE 1999-19939841	A 19990823
			EP 1999-953975	A3 19991108
			WO 1999-EP8558	W 19991108
			US 2001-856023	A3 20010516

OTHER SOURCE(S): MARPAT 132:344443  
 GI

L4 ANSWER 85 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title comps. comprise the pyrimidine derivs. I [Z = (un)substituted Ph; X = halo; A = heterocyclyl, CO<sub>2</sub>Me or CHNMe] and any of a large number of known fungicides.  
 IT 178928-70-6D, mixts. with pyrimidine derivs.  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal comps.)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



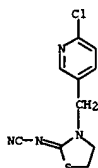
10521715, 7/18/06

L4 ANSWER 86 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:811029 CAPLUS  
 DOCUMENT NUMBER: 132:20106  
 TITLE: Synergistic fungicidal and insecticidal compositions.  
 INVENTOR(S): Erdelen, Christoph; Andersch, Wolfram; Stenzel, Klaus;  
 Mauler-Machnik, Astrid; Kramer, Wolfgang  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 94 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9965313	A1	19991223	WO 1999-EP3975	19990609
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19829075	A1	19991223	DE 1998-19829075	19980630
CA 2335144	AA	19991223	CA 1999-2335144	19990609
AU 9946070	A1	20000105	AU 1999-46070	19990609
AU 752045	B2	20020905		
BR 9911348	A	20010313	BR 1999-11348	19990609
EP 1089626	A1	20010411	EP 1999-929161	19990609
EP 1089626	B1	20041006		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, IE, RO				
TR 200003701	T2	20010521	TR 2000-200003701	19990609
JP 2002518302	T2	20020625	JP 2000-554203	19990609
NZ 508884	A	20021025	NZ 1999-508884	19990609
AT 278322	E	20041015	AT 1999-929161	19990609
CN 1566113	A	20050119	CN 2004-10056396	19990609
PT 1089626	T	20050228	PT 1999-929161	19990609
ES 2229725	T3	20050416	ES 1999-929161	19990609
ZA 2000006978	A	20010524	ZA 2000-6978	20001128
US 6436968	B1	20020820	US 2000-719364	20001211
NO 2000006327	A	20010214	NO 2000-6327	20001212
HK 1039034	A1	20050722	HK 2002-100529	20020123
US 2003149080	A1	20030807	US 2002-180392	20020626
US 6803377	B2	20041012		
US 2005026962	A1	20050203	US 2004-924464	20040823
PRIORITY APPL. INFO.:			DE 1998-19826941	A 19980617
			DE 1998-19829075	A 19980630
			CN 1999-807471	A3 19990609
			WO 1999-EP3975	W 19990609
			US 2000-719364	A3 20001211
			US 2002-180392	A3 20020626

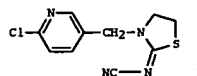
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L4 ANSWER 86 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



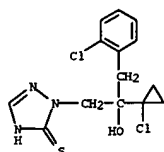
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 86 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title compas. comprise the thiazolidine derivative I in mixture with other fungicides, with the exception of cyclopropylcarboxamide derivs. and azolymethylcycloalkanes.

IT 252194-63-1  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (synergistic fungicidal and insecticidal composition)  
 RN 252194-63-1 CAPLUS  
 CN Cyanamide, [3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9C1) (CA INDEX NAME)  
 CH 1  
 CRN 178928-70-6  
 CMF C14 H15 Cl2 N3 O S



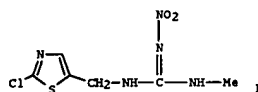
CH 2  
 CRN 111988-49-9  
 CMF C10 H9 Cl N4 S

L4 ANSWER 87 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:795585 CAPLUS  
 DOCUMENT NUMBER: 132:32155  
 TITLE: Synergistic fungicidal and insecticidal compositions  
 INVENTOR(S): Erdelen, Christoph; Andersch, Wolfram; Stenzel, Klaus;  
 Mauler-Machnik, Astrid; Kramer, Wolfgang  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 78 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9963826	A2	19991216	WO 1999-EP3739	19990529
WO 9963826	A3	20001221		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19829113	A1	19991216	DE 1998-19829113	19980630
CA 2334618	AA	19991216	CA 1999-2334618	19990529
AU 9945030	A1	19991230	AU 1999-45030	19990529
AU 766476	B2	20031016		
BR 9911125	A	20010220	BR 1999-11125	19990529
EP 1085810	A2	20010328	EP 1999-927800	19990529
EP 1085810	B1	20051228		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
TR 200003651	T2	20010621	TR 2000-200003651	19990529
JP 2002517417	T2	20020618	JP 2000-552910	19990529
TR 200102836	T2	20020621	TR 2001-200102836	19990529
NZ 508749	A	20020628	NZ 1999-508749	19990529
CN 1566104	A	20050119	CN 2004-10056395	19990529
EP 1593307	A2	20051109	EP 2005-16734	19990529
EP 1593307	A3	20060118		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT				
AT 313953	E	20060115	AT 1999-927800	19990529
RU 2268582	C2	20060127	RU 2001-101439	19990529
ES 2252948	T3	20060516	ES 1999-927800	19990529
ZA 2000006557	A	20010704	ZA 2000-6557	20001113
US 6436976	B1	20020820	US 2000-701958	20001205
NO 2000006221	A	20010116	NO 2000-6221	20001207
HK 1038866	A1	20050708	HK 2002-100611	20020125
US 2003083358	A1	20030501	US 2002-173062	20020617
US 6680325	B2	20040120		
AU 2003244551	A1	20031002	AU 2003-244551	20030903
AU 2003273186	A1	20040219	AU 2003-273186	20031124
US 2004116484	A1	20040617	US 2003-725042	20031201
PRIORITY APPL. INFO.:			DE 1998-19825891	A 19980610
			DE 1998-19829113	A 19980630
			CN 1999-807206	A3 19990529
			EP 1999-927800	A3 19990529
			WO 1999-EP3739	W 19990529
			US 2000-701958	A3 20001205

10521715, 7/18/06

L4 ANSWER 87 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
US 2002-173062 A3 20020617  
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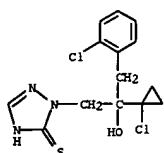


AB The invention relates to synergistic fungicidal and insecticidal compns. containing the the nitroguanidine derivative I mixed with known fungicides, excluding cyclopropylcarboxamide derivs. and azolymethylcycloalkanes.  
IT 252335-47-0  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synergistic fungicidal and insecticidal composition)  
RN 252335-47-0 CAPLUS  
CN Guanidine, N-[(2-chloro-5-thiazolyl)methyl]-N'-methyl-N''-nitro-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S



CH 2

CRN 131748-59-9

CMF C6 H8 C1 N5 O2 S

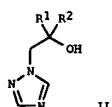
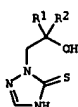
L4 ANSWER 88 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1999:254058 CAPLUS  
DOCUMENT NUMBER: 130:267441  
TITLE: Preparation of hydroxyalkyltriazolinthione derivatives by treatment of hydroxyalkyltriazoles with sulfur in an aprotic polar solvent.  
INVENTOR(S): Jautelat, Manfred; Erdman, David  
PATENT ASSIGNEE(S): Bayer A.-G., Germany  
SOURCE: Ger. Offen., 10 pp.  
CODEN: GWXEXX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19744706	A1	19990415	DE 1997-19744706	19971010
WO 9919307	A1	19990422	WO 1998-EP6127	19980926
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GR, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9897472	A1	19990503	AU 1998-97472	19980926
EP 1021419	A1	20000726	EP 1998-951472	19980926
EP 1021419	B1	20031203		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
BR 9812873	A	20000808	BR 1998-12873	19980926
JP 2001519417	T2	20011023	JP 2000-515880	19980926
AT 255566	E	20031215	AT 1998-951472	19980926
ES 2209214	T3	20040616	ES 1998-951472	19980926
IL 135004	A1	20041215	IL 1998-135004	19980926
US 6172236	B1	20010109	US 2000-509901	20000404
MX 200003440	A	20001113	MX 2000-3440	20000407
PRIORITY APPLN. INFO.: DE 1997-19744706 A 19971010 WO 1998-EP6127 W 19980926				

CASREACT 130:267441; MARPAT 130:267441

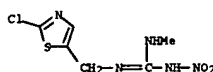
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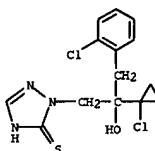


AB Title compds. [I; R1, R2 = (substituted) alkyl, alkenyl, cycloalkyl, aralkyl, aralkenyl, arylalkyl, aryl, heteroaryl], were prepared by treatment of triazoles (II; variables as above) with S in a polar aprotic solvent at 140-160°. Thus, 2-(1-chlorocyclopropyl)-1-(2-

L4 ANSWER 87 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



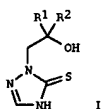
L4 ANSWER 88 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
chlorophenyl)-3-(1,2,4-triazol-1-yl)propane-2-ol was heated with S in DMF at 150° under a stream of air to give 75% 2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(4,5-dihydro-1,2,4-triazol-5-thiono-1-yl)propane-2-ol.  
IT 178928-70-6P  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
[Preparation of hydroxyalkyltriazolinthione derivs. by treatment of hydroxyalkyltriazoles with sulfur in an aprotic polar solvent]  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



10521715, 7/18/06

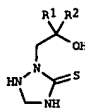
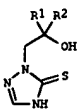
L4 ANSWER 89 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 1999:246438 CAPLUS  
 DOCUMENT NUMBER: 130:267438  
 TITLE: Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines.  
 INVENTOR(S): Jautelat, Manfred; Hupperts, Achim; Lantzsch, Reinhard  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: PCT Int. Appl., 42 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9918088	A1	19990415	WO 1998-EP6113	19980925
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19744400	A1	19990415	DE 1997-19744400	19971008
AU 9897468	A1	19990427	AU 1998-97468	19980925
BR 9812856	A	20000808	BR 1998-12856	19980925
EP 1030848	A1	20000830	EP 1998-951467	19980925
EP 1030848	B1	20030502		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
JP 2001519338	T2	20011023	JP 2000-514899	19980925
AT 239001	E	20030515	AT 1998-951467	19980925
ES 2193571	T3	20031101	ES 1998-951467	19980925
IL 134874	A1	20040328	IL 1998-134874	19980925
US 6262276	B1	20010717	US 2000-509927	20000403
MX 200003449	A	20001113	MX 2000-3449	20000407
US 6344587	B1	20020205	US 2001-795062	20010226
US 2002026058	A1	20020228		
PRIORITY APPLN. INFO.:			DE 1997-19744400	A 19971008
			WO 1998-EP6113	W 19980925
			US 2000-509927	A3 20000403
OTHER SOURCE(S):			CASREACT 130:267438; MARPAT 130:267438	
GI				



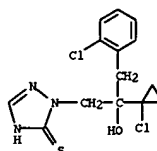
L4 ANSWER 90 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 1999:246437 CAPLUS  
 DOCUMENT NUMBER: 130:267437  
 TITLE: Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines.  
 INVENTOR(S): Jautelat, Manfred; Erdman, David  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: PCT Int. Appl., 50 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9918087	A1	19990415	WO 1998-EP6112	19980925
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19839688	A1	19990415	DE 1998-19839688	19980901
AU 9894418	A1	19990427	AU 1998-94418	19980925
BR 9813027	A	20000815	BR 1998-13027	19980925
EP 1030847	A1	20000830	EP 1998-947550	19980925
EP 1030847	B1	20060322		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
JP 2001519337	T2	20011023	JP 2000-514898	19980925
AT 321031	E	20060415	AT 1998-947550	19980925
MX 200003041	A	20001110	MX 2000-3041	20000328
US 6201128	B1	20010313	US 2000-509763	20000328
US 2001011138	A1	20010602	US 2000-748932	20001227
US 6353114	B2	20020305		
PRIORITY APPLN. INFO.:			DE 1997-19744402	A 19971008
			DE 1998-19839688	A 19980901
			WO 1998-EP6112	W 19980925
			US 2000-509763	A3 20000328
OTHER SOURCE(S):			CASREACT 130:267437; MARPAT 130:267437	
GI				



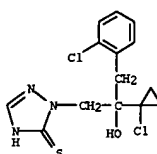
AB Triazolinethiones [I; R1, R2 = (substituted) alkyl, alkenyl, cycloalkyl, aralkyl, aralkenyl, aryloxyalkyl, aryl, heteroaryl] were prepared by (1) reaction of HOC(R1)R2CH2NHNH2 (variables as above) with H2CO and XCN (X = Na, K, NH4) in the presence of a diluent and, optionally, an acid, and (2)

L4 ANSWER 89 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 AB Triazolinethiones [I; R1, R2 = (substituted) alkyl, alkenyl, cycloalkyl, aralkyl, aralkenyl, aryloxyalkyl, aryl, heteroaryl] were prepared by (1) reaction of HOC(R1)R2CH2NHNH2 (variables as above) with XCN (X = Na, K, NH4) in the presence of a diluent and, optionally, a catalyst, and (2) treatment of the resulting HOC(R1)R2CH2N(CSNH2)NH2 (II; variables as above) with HCO2H optionally in the presence of a catalyst and a diluent. Thus, 2-(1-chlorocycloprop-1-yl)-3-(2-chlorophenyl)-2-hydroxypropyl-1-hydrazine sulfate and NH4SCN were heated 3 h in EtOAc at 74-76° to give 76.44 I (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl). The latter was heated 5.5 h with HCO2H in iso-Bu formate at 95° to give 91.64 I (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl).  
 IT 178928-70-6P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

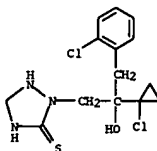


REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 90 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)  
 treatment of the resulting triazolinethiones II (variables as above) either (a) with oxidizing agents, optionally in the presence of catalysts and diluents, or (b) with HCO2H. Thus, [2-(1-chlorocycloprop-1-yl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1-hydrazine (prepn. given) was stirred 3 h with NH4SCN and paraformaldehyde in MeCN:3 at 60° to give II (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl). The latter in PhMe contg. KOH and S at 70° was blown with air to give I (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl).  
 IT 178928-70-6P  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)  
 (Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



IT 222408-90-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines)  
 RN 222408-90-4 CAPLUS  
 CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10521715, 7/18/06

L4 ANSWER 91 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN  
 ACCESSION NUMBER: 1999:244646 CAPLUS  
 DOCUMENT NUMBER: 130:267436  
 TITLE: Preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines.  
 INVENTOR(S): Lantzsich, Reinhard; Jautelat, Manfred; Rupperts, Achim; Erdman, David  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9918086	A1	19990415	WO 1998-EP6111	19980925
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MP, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19744401	A1	19990415	DE 1997-19744401	19971008
AU 9914847	A1	19990427	AU 1999-14847	19980925
EP 1021420	A1	20000726	EP 1998-958843	19980925
EP 1021420	B1	20030326		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
BR 9812895	A	20000808	BR 1998-12895	19980925
JP 2001519336	T2	20011023	JP 2000-514897	19980925
AT 235473	E	20030415	AT 1998-958843	19980925
ES 2191357	T3	20030901	ES 1998-958843	19980925
CN 1121397	B	20030917	CN 1998-809959	19980925
IL 134876	A1	20031031	IL 1998-134875	19980925
CN 1515558	A	20040728	CN 2003-2003136872	19980925
US 6271389	B1	20010807	US 2000-509889	20000403
MX 200003448	A	20001113	MX 2000-3448	20000407
US 2001056187	A1	20011227	US 2000-750589	20001228
US 6372916	B2	20020416		

PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

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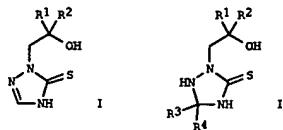
CASREACT 130:267436; MARPAT 130:267436

DE 1997-19744401 A 19971008

WO 1998-EP6111 W 19980925

US 2000-509889 A3 20000403

L4 ANSWER 91 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



AB Triazolinethiones [I; R1, R2 = (substituted) alkyl, alkenyl, cycloalkyl, aralkyl, aralkenyl, aryloxyalkyl, aryl, heteroaryl] were prepared by (1) reaction of  $\text{HOCH(R2)CH2NHNH2}$  (variables as above) with  $\text{R3R4CO}$  [R3 = alkyl, Ph; R4 = H, alkyl; R3R4 = (CH2)5] and  $\text{XSCN}$  (X = Na, K, NH4) optionally in the presence of a diluent and an acid, and (2) reaction of the resulting triazolidinethione derivs. (II; variables as above) with  $\text{HCO2H}$ , optionally in the presence of a catalyst and a diluent. Thus, 2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl-1-hydrazine in aqueous HCl was treated with  $\text{Me2CO}$  and then with  $\text{KSCN}$ ; PhMe was added and the mixture was stirred 10 h to give 82.1% II (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl; R3, R4 = Me). The latter was refluxed 17 h in  $\text{HCO2CH2CHMe2/HCO2H}$  to give 76% I (R1 = 2-ClC6H4CH2; R2 = 1-chloro-1-cyclopropyl).

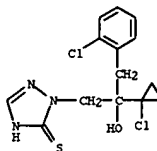
IT 178928-70-6P  
 RL: IMP (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of hydroxyalkyltriazolinethiones from

hydroxyalkylhydrazines)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



IT 222409-84-9P

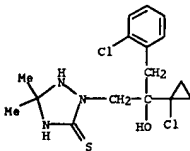
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines)

RN 222409-84-9 CAPLUS

L4 ANSWER 91 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5,5-dimethyl- (9CI) (CA INDEX NAME)



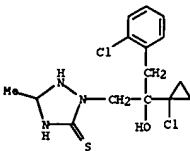
IT 222409-95-2P 222410-00-6P 222410-04-0P

222410-13-1P 222410-18-6P 222410-23-3P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of hydroxyalkyltriazolinethiones from hydroxyalkylhydrazines)

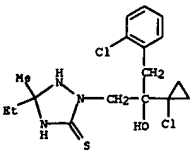
RN 222409-95-2 CAPLUS

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-methyl- (9CI) (CA INDEX NAME)



RN 222410-00-6 CAPLUS

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-ethyl-5-methyl- (9CI) (CA INDEX NAME)

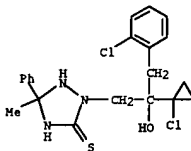


RN 222410-04-0 CAPLUS

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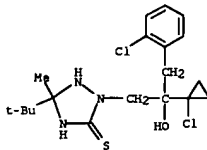
L4 ANSWER 91 OF 101 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-methyl-5-phenyl- (9CI) (CA INDEX NAME)



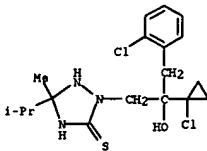
RN 222410-13-1 CAPLUS

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-(1,1-dimethylethyl)-5-methyl- (9CI) (CA INDEX NAME)



RN 222410-18-6 CAPLUS

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-methyl-5-(1-methylethyl)- (9CI) (CA INDEX NAME)

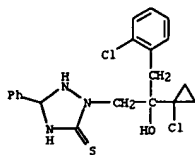


RN 222410-23-3 CAPLUS

CN 1,2,4-Triazolidine-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-5-phenyl- (9CI) (CA INDEX NAME)

10521715, 7/18/06

L4 ANSWER 91 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



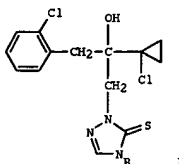
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 92 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:81696 CAPLUS  
DOCUMENT NUMBER: 130:139450  
TITLE: Triazolinethione phosphoric acid derivatives  
INVENTOR(S): Hillebrand, Stefan; Krueger, Bernd-Wieland; Jautelat, Manfred; Stenzel, Klaus; Mauler-Machnik, Astrid; Dutzmann, Stefan  
PATENT ASSIGNEE(S): Bayer A.-G., Germany  
SOURCE: Ger. Offen., 100 pp.  
CODEN: GWXKEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19732033	A1	19990128	DE 1997-19732033	19970725
WO 9905149	A1	19990204	WO 1998-EP4354	19980714
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9889749	A1	19990216	AU 1998-89749	19980714
EP 998479	A1	20000510	EP 1998-941327	19980714
EP 998479	B1	20020508		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
BR 9811551	A	20000829	BR 1998-11551	19980714
TJ 2001510844	T2	20010807	JP 2000-504144	19980714
AT 217317	E	20020515	AT 1998-941327	19980714
ES 2177042	T3	20021201	ES 1998-941327	19980714
US 6262039	B1	20010717	US 2000-463270	20000120
US 6269044	B1	20020909	US 2001-859779	20010517
US 2003040628	A1	20030227	US 2001-3374	20011115
US 6586415	B2	20030701		
PRIORITY APPLN. INFO.:			DE 1997-19732033	A 19970725
			WO 1998-EP4354	W 19980714
			US 2000-463270	A3 20000120
			US 2001-859779	A3 20010517
OTHER SOURCE(S):		MARPAT 130:139450		
GI				

L4 ANSWER 92 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB Phosphorylation of triazolinethiones gave microbiocidal title compds. Thus, phosphorylation of triazolinethiones I (R = H) with ClP(S)(OEt)2 gave 924 I [R = P(S)(OEt)2]. Among the 10 compds. similarly prepared were I [R = P(S)(OEt)R1, R1 = OCH2CH2CHMe2, OPr-i, OCH2CH2OMe, Et, NHMe, OPh]. The compds. prepared were effective bactericides, fungicides, insecticides, acaricides, and nematocides.

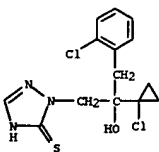
IT 178928-70-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of triazolinethione phosphoric acid derivs.)

RN 178928-70-6 CAPLUS

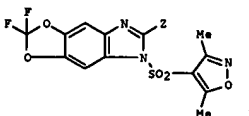
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 93 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:708886 CAPLUS  
DOCUMENT NUMBER: 129:327292  
TITLE: Synergistic fungicide mixtures.  
INVENTOR(S): Stenzel, Klaus; Dutzmann, Stefan; Mauler-Machnik, Astrid; Assmann, Lutz  
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 61 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

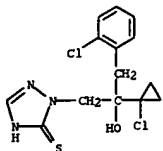
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847370	A1	19981029	WO 1998-EP1987	19980406
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19716256	A1	19981022	DE 1997-19716256	19970418
TW 385232	B	20000321	TW 1998-87105036	19980403
CA 2286849	AA	19981029	CA 1998-2286849	19980406
AU 9875221	A1	19981113	AU 1998-75221	19980406
AU 727180	B2	20001207		
TR 9902450	T2	20000121	TR 1999-2450	19980406
EP 975221	A1	20000202	EP 1998-922648	19980406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, PT, IE				
BR 9809763	A	20000620	BR 1998-9763	19980406
NZ 500368	A	20000929	NZ 1998-500368	19980406
JP 2001505924	T2	20010508	JP 1998-544923	19980406
ZA 9803235	A	19981022	ZA 1998-3235	19980417
US 6297236	B1	20011002	US 1999-402908	19991013
MX 9909479	A	20000228	MX 1999-9479	19991015
US 2002072535	A1	20020613	US 2001-882042	20010614
PRIORITY APPLN. INFO.:			DE 1997-19716256	A 19970418
			WO 1998-EP1987	W 19980406
			US 1999-402908	A3 19991013
OTHER SOURCE(S):		MARPAT 129:327292		
GI				



AB The title mixts. comprise a dioxolobenzimidazole derivative I (Z = Cl or Br) and any of a large number of fungicides, such as tebuconazole, propineb,

10521715, 7/18/06

L4 ANSWER 93 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
fenhexamid, bendicar, spiroxamine, azoxystrobin, kresoxim Me, cymoxanil,  
metalaxyl, etc.  
IT 178928-70-6D, mixture with dioxolobenzimidazole derivative  
215252-19-0 215252-20-3  
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicide)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
2-hydroxypropyl]-1,2-dihydro- (9C1) (CA INDEX NAME)

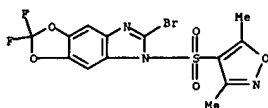


RN 215252-19-0 CAPLUS  
CN 5H-1,3-Dioxolo[4,5-f]benzimidazole, 6-bromo-5-[(3,5-dimethyl-4-  
isoxazolyl)sulfonyl]-2,2-difluoro-, mixt. with 2-[2-(1-chlorocyclopropyl)-  
3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione  
(9C1) (CA INDEX NAME)

CH 1

CRN 188026-76-8

CMF C13 H8 Br F2 N3 O5 S



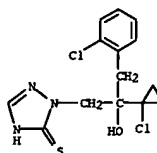
CH 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S

L4 ANSWER 93 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 93 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



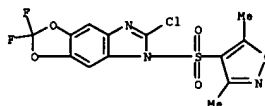
RN 215252-20-3 CAPLUS

CN 5H-1,3-Dioxolo[4,5-f]benzimidazole, 6-chloro-5-[(3,5-dimethyl-4-  
isoxazolyl)sulfonyl]-2,2-difluoro-, mixt. with 2-[2-(1-chlorocyclopropyl)-  
3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione  
(9C1) (CA INDEX NAME)

CH 1

CRN 188027-78-3

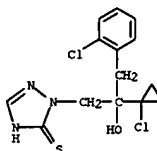
CMF C13 H8 Cl F2 N3 O5 S



CH 2

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1998:70883 CAPLUS  
DOCUMENT NUMBER: 129:327290  
TITLE: Synergistic fungicide mixtures.  
INVENTOR(S): Dutzmann, Stefan; Stenzel, Klaus; Jautelat, Manfred  
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
SOURCE: PCT Int. Appl., 74 pp.  
CODEN: PIXKX2  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9847367	A1	19981029	WO 1998-EP1986	19980406
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TH, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19716257	A1	19981022	DE 1997-19716257	19970418
TW 505504	B	20021011	TW 1998-07104935	19980402
CA 2286772	AA	19981029	CA 1998-2286772	19980406
AU 9875220	A1	19981113	AU 1998-75220	19980406
AU 727186	B2	20001207		
TR 9902400	T2	20000121	TR 1999-2400	19980406
EP 975219	A1	20000202	EP 1998-922647	19980406
EP 975219	B1	20020313		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, SI, FI, RO				
EE 9900500	A	20000615	EE 1999-500	19980406
EE 3657	B1	20020415		
BR 9809100	A	20000801	BR 1998-9100	19980406
NZ 500367	A	20000929	NZ 1998-500367	19980406
JP 2001520665	T2	20011030	JP 1998-544922	19980406
AT 214230	E	20020315	AT 1998-922647	19980406
ES 2172143	T3	20020916	ES 1998-922647	19980406
PT 975219	T	20020930	PT 1998-922647	19980406
CN 1109499	B	20030528	CN 1998-804274	19980406
IL 131900	A1	20040725	IL 1998-131900	19980406
SK 284214	B6	20041103	SK 1999-1435	19980406
ZA 9803236	A	19981022	ZA 1998-3236	19980406
US 6306850	B1	20011023	US 1999-402866	19991013
MX 9909480	A	20000228	MX 1999-9480	19991015
HK 1026822	A1	20040227	HK 2000-106059	20000925
US 2002173529	A1	20021121	US 2001-843396	20010426
PRIORITY APPL. INFO.:				
OTHER SOURCE(S):				
AB The title mxts. comprise 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro[1,2,4]triazole-3-thione and any of a large number of fungicides, such as tebuconazole, propineb, fenhexamid, etc.				
IT 178928-70-6D, mixts. containing 215245-59-3				
215245-61-7 215245-63-9 215245-65-1				
215245-67-3 215245-69-5 215245-71-9 21524				

10521715, 7/18/06

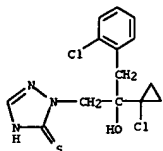
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

5-72-0 215245-73-1 215245-74-2  
215245-75-3 215245-76-4 215245-77-5  
215245-78-6 215245-79-7 215245-80-0  
215245-82-2 215245-84-4 215245-86-6  
215245-88-8 215245-90-2 215245-92-4  
215245-94-6 215245-96-8 215245-98-0  
215246-00-7 215246-03-0 215246-05-2  
215249-39-1

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(synergistic fungicide)

RN 178928-70-6 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



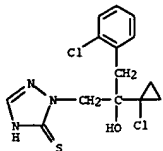
RN 215245-59-3 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with α-[2-(4-chlorophenyl)ethyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S



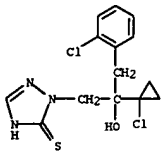
CH 2

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
methylphenyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

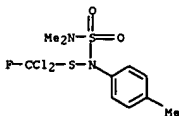
CMF C14 H15 Cl2 N3 O S



CH 2

CRN 731-27-1

CMF C10 H13 Cl2 F N2 O2 S2



RN 215245-65-1 CAPLUS

CN Cyclopropanecarboxamide, 2,2-dichloro-N-[(1-(4-chlorophenyl)ethyl)-1-ethyl-3-methyl-], mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

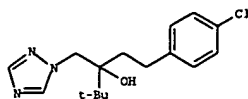
CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 107534-96-3

CMF C16 H22 Cl N3 O



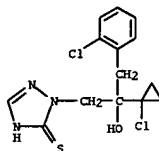
RN 215245-61-7 CAPLUS

CN Methanesulfenamide, 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-phenyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

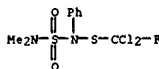
CMF C14 H15 Cl2 N3 O S



CH 2

CRN 1085-98-9

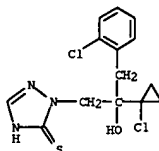
CMF C9 H11 Cl2 F N2 O2 S2



RN 215245-63-9 CAPLUS

CN Methanesulfenamide, 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-(4-

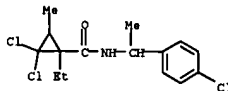
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 104030-54-8

CMF C15 H18 Cl3 N O



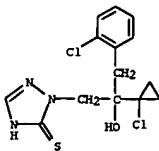
RN 215245-67-3 CAPLUS

CN Zinc, [[2-[(dithiocarboxy)amino]-1-methylethyl]carbamodithioato(2-)-κS,κS']-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 Cl2 N3 O S

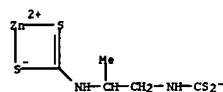


CH 2

CRN 12071-83-9

10521715, 7/18/06

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 CNF C5 H9 N2 S4 Zn  
 CCI CCS

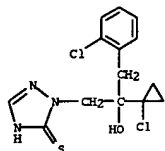


RN 215245-69-5 CAPLUS  
 CN Zinc, [[2-[(dithiocarbonyl)amino]ethyl]carbamodithioato(2-)-  
 wS,wS']-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-  
 chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione  
 (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

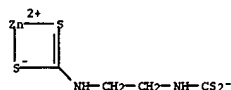


CH 2

CRN 12122-67-7

CMF C4 H6 N2 S4 Zn

CCI CCS



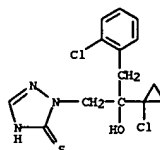
RN 215245-71-9 CAPLUS  
 CN Manganese, [[2-[(dithiocarbonyl)amino]ethyl]carbamodithioato(2-)-

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 wS,wS']-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-  
 chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione  
 (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

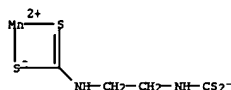


CH 2

CRN 12427-38-2

CMF C4 H6 Mn N2 S4

CCI CCS



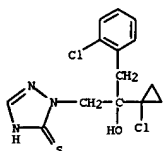
RN 215245-72-0 CAPLUS  
 CN Cyclohexanecarboxamide, N-(2,3-dichloro-4-hydroxyphenyl)-1-methyl-, mixt.  
 with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-  
 dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

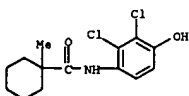
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 126833-17-8

CMF C14 H17 C12 N O2

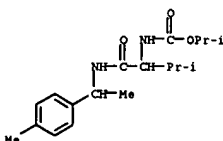


RN 215245-73-1 CAPLUS  
 CN Carbamic acid, [2-methyl-1-[[[1-(4-methylphenyl)ethyl]amino]carbonyl]propyl]-  
 1-methylethyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-  
 chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione  
 (9CI) (CA INDEX NAME)

CH 1

CRN 209518-72-9

CMF C18 H28 N2 O3

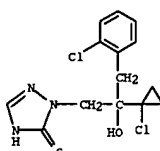


CH 2

CRN 178928-70-6

CMF C14 H15 C12 N3 O S

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

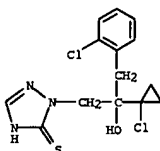


RN 215245-74-2 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-  
 2-hydroxypropyl]-1,2-dihydro-, mixt. with 8-(1,1-dimethylethyl)-N-ethyl-N-  
 propyl-1,4-dioxaspiro[4.5]decane-2-methanamine (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

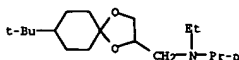
CMF C14 H15 C12 N3 O S



CH 2

CRN 118134-30-8

CMF C18 H35 N O2



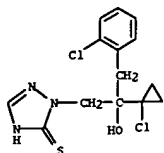
RN 215245-75-3 CAPLUS  
 CN Benzeneacetic acid, 2-[[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]-m-  
 (methoxymethylene)-, methyl ester, (αE)-, mixt. with  
 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-  
 3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

10521715, 7/18/06

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

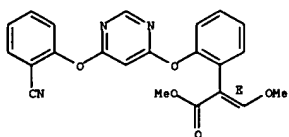
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

CRN 131860-33-8  
CHF C22 H17 N3 O5

Double bond geometry as shown.

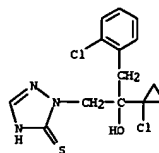


RN 215245-76-4 CAPLUS  
CN Benzeneacetic acid,  $\alpha$ -(methoxyimino)-2-[(2-methylphenoxy)methyl]-, methyl ester, (aE)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

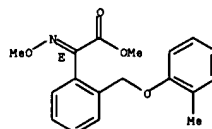
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 143390-89-0  
CHF C18 H19 N O4

Double bond geometry as shown.

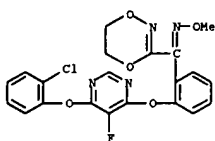


RN 215245-77-5 CAPLUS  
CN Methanone, [2-[[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl] (5,6-dihydro-1,4,2-dioxazin-3-yl)-, O-methyl oxime, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

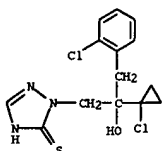
CRN 193740-76-0  
CHF C21 H16 Cl F N4 O5

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

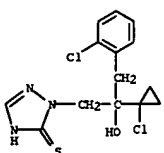
CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



RN 215245-78-6 CAPLUS  
CN 3-Azabicyclo[3.1.0]hexane-2,4-dione, 3-[(3,5-dichlorophenyl)-1,5-dimethyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S

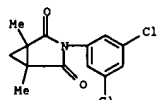


CH 2

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L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

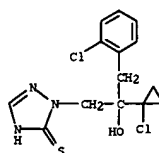
CRN 32809-16-8  
CHF C13 H11 C12 N O2



RN 215245-79-7 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine (9CI) (CA INDEX NAME)

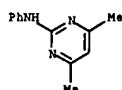
CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

CRN 53112-28-0  
CHF C12 H13 N3



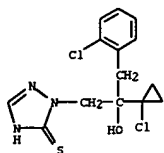
RN 215245-80-0 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 4-cyclopropyl-6-methyl-N-phenyl-2-pyrimidinamine (9CI) (CA INDEX NAME)

CH 1

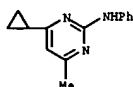
10521715, 7/18/06

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CRN 178928-70-6  
CMF C14 H15 C12 N3 O S



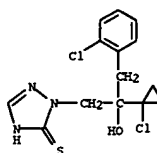
CH 2  
CRN 121552-61-2  
CMF C14 H15 N3



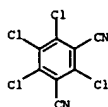
RN 215245-82-2 CAPLUS  
CN 1,3-Benzenedicarbonitrile, 2,4,5,6-tetrachloro-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

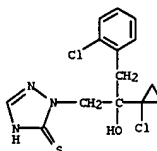


CH 2  
CRN 1897-45-6  
CMF C8 C14 N2



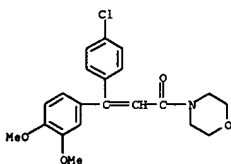
RN 215245-84-4 CAPLUS  
CN Morpholine, 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S



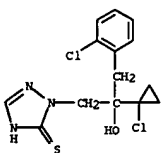
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2  
CRN 110488-70-5  
CMF C21 H22 C1 N O4

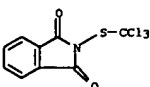


RN 215245-86-6 CAPLUS  
CN 1H-Isindole-1,3(2H)-dione, 2-[(trichloromethyl)thio]-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S



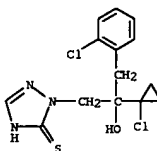
CH 2  
CRN 133-07-3  
CMF C9 H4 C13 N O2 S



L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 215245-88-8 CAPLUS  
CN Phosphonic acid, monoethyl ester, aluminum salt, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S



CH 2  
CRN 39148-24-8  
CMF C2 H7 O3 P . 1/3 Al



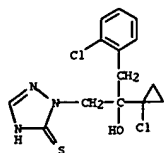
● 1/3 Al

RN 215245-90-2 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine (9CI) (CA INDEX NAME)

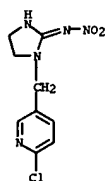
CH 1  
CRN 178928-70-6  
CMF C14 H15 C12 N3 O S

10521715, 7/18/06

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2  
CRN 138261-41-3  
CHF C9 H10 Cl N5 O2

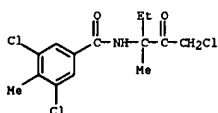


RN 215245-92-4 CAPLUS  
CN Urea, N-[(4-chlorophenyl)methyl]-N-cyclopentyl-N'-phenyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

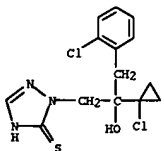
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2  
CRN 156052-68-5  
CHF C14 H16 Cl3 N O2

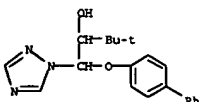


RN 215245-96-8 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with  $\beta$ -([1,1'-biphenyl]-4-yloxy)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



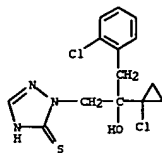
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CRN 55179-31-2  
CHF C20 H23 N3 O2



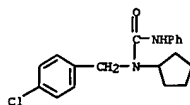
RN 215245-98-0 CAPLUS

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L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

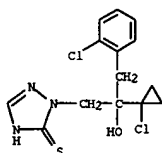


CH 2  
CRN 66063-05-6  
CHF C19 H21 Cl N2 O



RN 215245-94-6 CAPLUS  
CN Benzamide, 3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-4-methyl-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

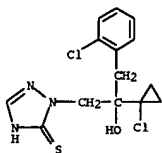
CH 1  
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CHF C14 H15 Cl2 N3 O S



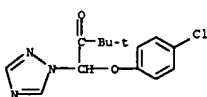
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CN 2-Butanone, 1-(4-chlorophenoxy)-3,3-dimethyl-1-[(1H-1,2,4-triazol-1-yl)-], mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S



CH 2  
CRN 43121-43-3  
CHF C14 H16 Cl N3 O2

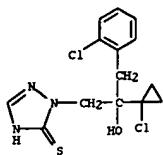


RN 215246-00-7 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, mixt. with  $\beta$ -(4-chlorophenoxy)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (9CI) (CA INDEX NAME)

CH 1  
CRN 178928-70-6  
CHF C14 H15 Cl2 N3 O S

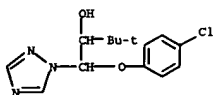
10521715, 7/18/06

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

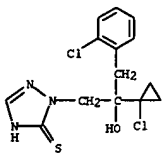
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CHF C14 H18 C1 N3 O2



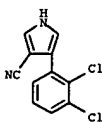
RN 215246-03-0 CAPLUS  
CN 1H-Pyrrole-3-carbonitrile, 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



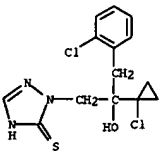
L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 215249-39-1 CAPLUS  
CN 1,2,3-Benzothiadiazole-7-carbothioic acid, S-methyl ester, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

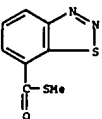
CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

CRN 135158-54-2  
CHF C8 H6 N2 O S2



REFERENCE COUNT:

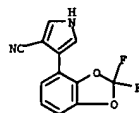
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THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 94 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 2

CRN 131341-86-1  
CHF C12 H6 F2 N2 O2

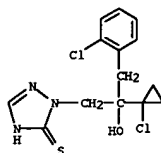


RN 215246-05-2 CAPLUS

CN 1H-Pyrrole-3-carbonitrile, 4-(2,2-dichlorophenyl)-, mixt. with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
CHF C14 H15 C12 N3 O S



CH 2

CRN 74738-17-3  
CHF C11 H6 C12 N2

L4 ANSWER 95 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:798719 CAPLUS

DOCUMENT NUMBER: 128:48228

TITLE: Preparation of 3-alkylsulfonfylthio-1,2,4-triazoles and analogs as agrochemical microbicides

INVENTOR(S): Jautelat, Manfred; Dutzmann, Stefan; Stenzel, Klaus

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 136 pp.

CODEN: GWXXEX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19620590	A1	19971127	DE 1996-19620590	19960522
WO 9744332	A1	19971127	WO 1997-EP2408	19970512
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LX, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9728965	A1	19971209	AU 1997-28965	19970512
EP 901477	A1	19990317	EP 1997-923054	19970512
EP 901477	B1	20030813		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
BR 9709258	A	19990810	BR 1997-9258	19970512
CN 1226238	A	19990818	CN 1997-196668	19970512
JP 2000510852	T2	20000822	JP 1997-541473	19970512
ES 2207732	T3	20040601	ES 1997-923054	19970512
US 6080775	A	20000627	US 1998-194508	19981119
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S):				
GI				
MARPAT 128:48228				
WO 1997-EP2408				W 19970512



AB Title compds. [I; R1 = e.g., CH2CR2R3OH; R2,R3 = (un)substituted (cyclo)alkyl, -alkenyl, -aryl(alkyl), etc.; R4 = SSO2R and R5R6 = bond or R4R5 = S and R6 = SO2R; R = alkyl or (un)substituted aryl(alkyl)] were prepared. Thus, I (R1 = 2-ClC6H4CH2CR3(OH)CH2) (II; R4 = H and R5R6 = bond) was thiolated and the product treated with MeSO2Cl to give II (R4 = SSO2Me and R5R6 = bond, and R4R5 = S and R6 = SO2Me). Data for biol. activity of the only 2 prepared I (as described above) were given.

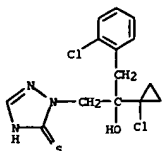
IT 178928-70-6P 178928-81-9P 178928-86-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

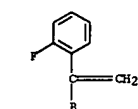
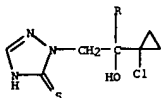
[preparation of 3-alkylsulfonfylthio-1,2,4-triazoles and analogs as agrochem.

10521715, 7/18/06

L4 ANSWER 95 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
microbicides)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 178928-81-9 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-fluorophenyl)-2-hydroxy-3-butenyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 178928-86-4 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[3-(2-chlorophenyl)-2-(1-fluorocyclopropyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 96 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1997:798697 CAPLUS  
DOCUMENT NUMBER: 128:48227  
TITLE: Preparation of thiocyanotriazoles as microbicides for plant protection and materials preservation.  
INVENTOR(S): Jautelat, Manfred; Dutzmann, Stefan; Stenzel, Klaus; Haensler, Gerd  
PATENT ASSIGNEE(S): Bayer A.-G., Germany  
SOURCE: Ger. Offen., 82 pp.  
CODEN: GWXWEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

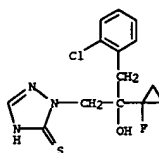
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19620407	A1	19971127	DE 1996-19620407	19960521
WO 9744331	A1	19971127	WO 1997-EP2373	19970509
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CH, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9729529	A1	19971209	AU 1997-29529	19970509
EP 901478	A1	19930317	EP 1997-923858	19970509
EP 901478	B1	20030813		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
BR 9709107	A	19990803	BR 1997-9107	19970509
CN 1226237	A	19990818	CN 1997-196629	19970509
JP 2000511891	T2	20000912	JP 1997-541460	19970509
ES 2205222	T3	20040501	ES 1997-923858	19970509
US 6166059	A	20001226	US 1998-180862	19981117
PRIORITY APPLN. INFO.:				
DE 1996-19620407 A 19960521				
WO 1997-EP2373 W 19970509				
OTHER SOURCE(S): MARPAT 128:48227				
GI				



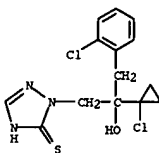
AB Title compds. [1: R1 = CH2CR2R3OH, substituted epoxymethyl, silylmethyl, etc.; R2, R3 = (substituted) alkyl, alkenyl, cycloalkyl, aralkyl, aralkenyl, aryloxyalkyl, aryl, heteroaryl], were prepared. Thus, 2-(1-chlorocyclopropyl)-1-(2-chlorophenyl)-3-(5-mercapto-1,2,4-triazol-1-yl)propan-2-ol (preparation given) and KEN in HDAC were treated with Cl followed by 20 h stirring to give 64% 2-[1-chlorocyclopropyl]-1-(2-chlorophenyl)-3-(5-thiocyanato-1,2,4-triazol-1-yl)propan-2-ol. The latter at 250 g/ha gave 100% control of Pseudocercospora herpotrichoides on wheat.  
IT 178928-70-6P 178928-81-9P 178928-86-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
and (preparation of thiocyanotriazoles as microbicides for plant protection and materials preservation)

Page 74 SAEED

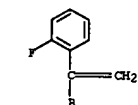
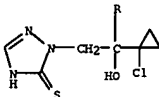
L4 ANSWER 95 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



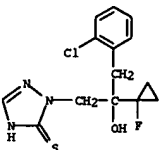
L4 ANSWER 96 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 178928-81-9 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-fluorophenyl)-2-hydroxy-3-butenyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 178928-86-4 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[3-(2-chlorophenyl)-2-(1-fluorocyclopropyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



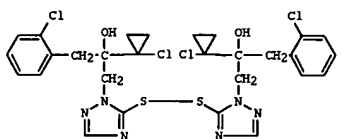
10521715, 7/18/06

L4 ANSWER 96 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 97 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:752943 CAPLUS  
 DOCUMENT NUMBER: 128:22912  
 TITLE: Triazolyl disulfides  
 INVENTOR(S): Jautelat, Manfred; Dutzmann, Stefan; Stenzel, Klaus  
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany  
 SOURCE: PCT Int. Appl., 140 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

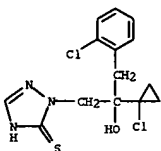
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9743269	A1	19971120	WO 1997-EP2282	19970505
W: AU, BB, BG, BR, BY, CA, CN, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SF, BJ, CF, CG, CI, CM, GA, GN, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SF, BJ, CF, CG, CI, CM, GA, GN, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
DE 19619544	A1	19971120	DE 1996-19619544	19960515
AU 9728913	A1	19971205	AU 1997-28913	19970505
EP 912529	A1	19990506	EP 1997-922963	19970505
EP 912529	B1	20020807		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
CN 1218457	A	19990602	CN 1997-194671	19970505
CN 1104424	B	20030402		
BR 9709090	A	19990803	BR 1997-9090	19970505
JP 2000510132	T2	20000808	JP 1997-540458	19970505
ES 2179337	T3	20030116	ES 1997-922963	19970505
US 6114368	A	20000905	US 1998-180325	19981105
US 6245794	B1	20010612	US 2000-586318	20000602
US 6329411	B1	20011211	US 2001-773807	20010201
US 6420406	B1	20020716	US 2001-978815	20011016
PRIORITY APPLN. INFO.:			DE 1996-19619544	A 19960515
			WO 1997-EP2282	W 19970505
			US 1998-180325	A3 19981105
			US 2000-586318	A3 20000602
			US 2001-773807	A3 20010201

OTHER SOURCE(S): MARPAT 128:22912  
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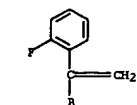
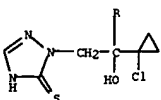


L4 ANSWER 97 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

AB Triazolyl disulfides were prepared for use as fungicides. Thus, the disulfide I was obtained by oxidative dimerization of the mercaptan, prepared by thiolation of the triazole. At 250 g/ha I gave 100% inhibition of Erysiphe graminis on barley.  
 IT 178928-70-6P 178928-81-9P 178928-86-4P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 RN 178928-70-6 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

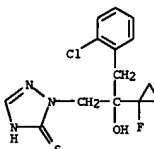


RN 178928-81-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-fluorophenyl)-2-hydroxy-3-butenyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 178928-86-4 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[3-(2-chlorophenyl)-2-(1-fluorocyclopropyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

L4 ANSWER 97 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

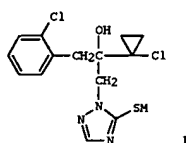


10521715, 7/18/06

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:740856 CAPLUS  
 DOCUMENT NUMBER: 128:13272  
 TITLE: Fungicidal triazolyl mercaptides  
 INVENTOR(S): Jautelat, Manfred; Dutzmann, Stefan; Stenzel, Klaus  
 PATENT ASSIGNEE(S): Bayer A.-G., Germany  
 SOURCE: Ger. Offen., 124 pp.  
 CODEN: GWXKEX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

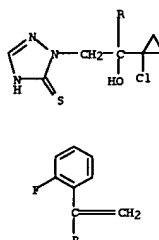
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19617282	A1	19971106	DE 1996-19617282	19960430
WO 9741107	A1	19971106	WO 1997-EP1996	19970421
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LX, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9727005	A1	19971119	AU 1997-27005	19970421
EP 906292	A1	19990407	EP 1997-920729	19970421
EP 906292	B1	20030709		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
CN 1216984	A	19990519	CN 1997-194253	19970421
BR 9708882	A	19990803	BR 1997-8882	19970421
JP 2000509052	T2	20000719	JP 1997-538530	19970421
IL 126645	A1	20021110	IL 1997-126645	19970421
ES 2198560	T3	20040201	ES 1997-920729	19970421
US 6057353	A	20000502	US 1998-171733	19981023
PRIORITY APPLN. INFO.:			DE 1996-19617282	A 19960430
			WO 1997-EP1996	W 19970421

OTHER SOURCE(S): MARPAT 128:13272  
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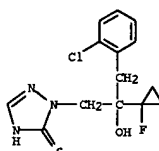


AB Eight title salts I [M = Na (II), Et3N+H, Me4N+, Me(CH2)17N+H3, etc.] were prepared from I (M = H). At 250 g/ha, II gave 100% protection against Erysiphe graminis  
 IT 178928-81-9P 178928-86-4P 199105-37-8P

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 199105-38-9P 199105-39-9P 199105-40-3P  
 199105-42-5P 199105-46-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (prepn. of)  
 RN 178928-81-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-fluorophenyl)-2-hydroxy-3-butenyl]-1,2-dihydro- (9CI) (CA INDEX NAME)

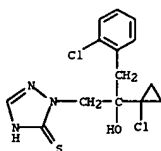


RN 178928-86-4 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[3-(2-chlorophenyl)-2-(1-fluorocyclopropyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



RN 199105-37-8 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, copper(2+) salt (2:1) (9CI) (CA INDEX NAME)

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

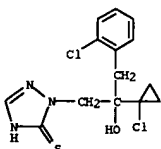


● 1/2 Cu (II)

RN 199105-38-9 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, compd. with N,N-diethylethanamine (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
 CMP C14 H15 C12 N3 O S



CH 2

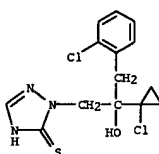
CRN 121-44-8  
 CMP C6 H15 N



RN 199105-39-0 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, compd. with N,N-dibutyl-1-butanamine (1:1) (9CI) (CA INDEX NAME)

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CH 1  
 CRN 178928-70-6  
 CMP C14 H15 C12 N3 O S



CH 2

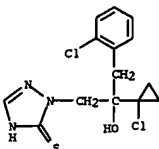
CRN 102-82-9  
 CMP C12 H27 N



RN 199105-40-3 CAPLUS  
 CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, compd. with N,N-dimethylbenzenemethanamine (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6  
 CMP C14 H15 C12 N3 O S



CH 2

CRN 103-83-3

10521715, 7/18/06

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
CHF C9 H13 N

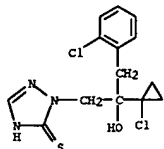
Me<sub>2</sub>N-CH<sub>2</sub>-Ph

RN 199105-42-5 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, compd. with 1-octadecanamine (1:1) (9CI) (CA INDEX NAME)

CH 1

CRN 178928-70-6

CHF C14 H15 Cl2 N3 O S



CH 2

CRN 124-30-1

CHF C18 H39 N

H<sub>2</sub>N-(CH<sub>2</sub>)<sub>17</sub>-Me

RN 199105-46-9 CAPLUS  
CN Methanaminium, N,N,N-trimethyl-, salt with 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-2,4-dihydro-3H-1,2,4-triazole-3-thione (1:1) (9CI) (CA INDEX NAME)

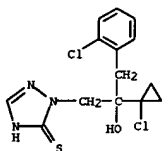
CH 1

CRN 199105-45-8

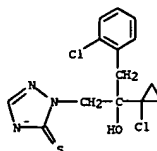
CHF C14 H14 Cl2 N3 O S

L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

IT 178928-70-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of fungicidal triazolyl mercaptides)  
RN 178928-70-6 CAPLUS  
CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro- (9CI) (CA INDEX NAME)



L4 ANSWER 98 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



CH 2

CRN 51-92-3

CHF C4 H12 N

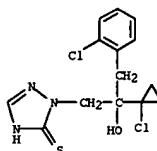


IT 199105-36-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation of fungicidal triazolyl mercaptides)

RN 199105-36-7 CAPLUS

CN 3H-1,2,4-Triazole-3-thione, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-, monosodium salt (9CI) (CA INDEX NAME)

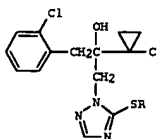


• Na

L4 ANSWER 99 OF 101 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:736265 CAPLUS  
DOCUMENT NUMBER: 128:13271  
TITLE: Fungicidal acylthiotriazoles  
INVENTOR(S): Jautelat, Manfred; Dutzmann, Stefan; Stenzel, Klaus  
PATENT ASSIGNEE(S): Bayer A.-G., Germany  
SOURCE: Ger. Offen., 125 pp.  
CODEN: GWXQEX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19617461	A1	19971106	DE 1996-19617461	19960502
WO 9742178	A1	19971113	WO 1997-EP1997	19970421
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, IL, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9727660	A1	19971126	AU 1997-27660	19970421
EP 900208	A1	19990310	EP 1997-921675	19970421
EP 900208	B1	20030709		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, IE				
CN 1217717	A	19990526	CN 1997-194311	19970421
BR 9708894	A	19990803	BR 1997-8894	19970421
JP 2000510829	T2	20000822	JP 1997-539468	19970421
ES 2203801	T3	20040416	ES 1997-921675	19970421
US 6051592	A	20000418	US 1998-180055	19981027
US 6274610	B1	20010814	US 2000-494078	20000128
PRIORITY APPL. INFO.:				
OTHER SOURCE(S): MARPAT 128:13271				
G1				



AB Ten title compds. I [R = Ac (II), p-ClC<sub>6</sub>H<sub>4</sub>CO, Me<sub>3</sub>CCO, MeO<sub>2</sub>C, Me<sub>2</sub>CHO<sub>2</sub>C, BuCH<sub>2</sub>CH<sub>2</sub>CO<sub>2</sub>C (III), MeNHCO, Me(CH<sub>2</sub>)<sub>11</sub>NHCO, Me<sub>2</sub>CHNHCO, p-ClC<sub>6</sub>H<sub>4</sub>NHCO] were prepared by acylation of mercaptotriazole I (R = H). At 250 g/ha II and III gave 100% protection against Erysiphe graminis.  
IT 178928-81-9P 178928-86-4P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)